

Data Path : Z:\HPCHEM1\BNA\_E\DATA\BE101917\  
 Data File : BE094462.D  
 Acq On : 20 Oct 2017 1:11  
 Operator : SJ/JU  
 Sample : I5819-14  
 Misc :  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 BNA\_E  
 ClientSampleId :  
 3919-FB

Quant Time: Oct 20 12:44:20 2017  
 Quant Method : Z:\HPCHEM1\BNA\_E\METHODS\8270-SIM-BE101617.M  
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION  
 QLast Update : Mon Oct 16 14:54:40 2017  
 Response via : Initial Calibration

| Internal Standards        | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|---------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Dichlorobenzene-d4 | 7.91  | 152  | 1237     | 0.40 | ng    | -0.01    |
| 7) Naphthalene-d8         | 10.71 | 136  | 6151     | 0.40 | ng    | 0.00     |
| 13) Acenaphthene-d10      | 14.53 | 164  | 3811     | 0.40 | ng    | 0.00     |
| 19) Phenanthrene-d10      | 17.24 | 188  | 7735     | 0.40 | ng    | -0.03    |
| 27) Chrysene-d12          | 21.43 | 240  | 9292     | 0.40 | ng    | 0.00     |
| 34) Perylene-d12          | 23.95 | 264  | 8965     | 0.40 | ng    | -0.02    |

| System Monitoring Compounds | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|-----------------------------|-------|------|----------|------|-------|----------|
| 4) 2-Fluorophenol           | 5.53  | 112  | 592      | 0.14 | ng    | 0.01     |
| 5) Phenol-d6                | 7.15  | 99   | 582      | 0.09 | ng    | 0.02     |
| 8) Nitrobenzene-d5          | 9.08  | 82   | 2404     | 0.45 | ng    | 0.00     |
| 11) 2-Methylnaphthalene-d10 | 12.29 | 152  | 4550     | 0.48 | ng    | 0.00     |
| 14) 2,4,6-Tribromophenol    | 16.03 | 330  | 597      | 0.41 | ng    | 0.00     |
| 15) 2-Fluorobiphenyl        | 13.15 | 172  | 6778     | 0.50 | ng    | 0.00     |
| 25) Fluoranthene-d10        | 19.28 | 212  | 51935    | 0.42 | ng    | 0.00     |
| 29) Terphenyl-d14           | 19.86 | 244  | 9833     | 0.52 | ng    | 0.00     |

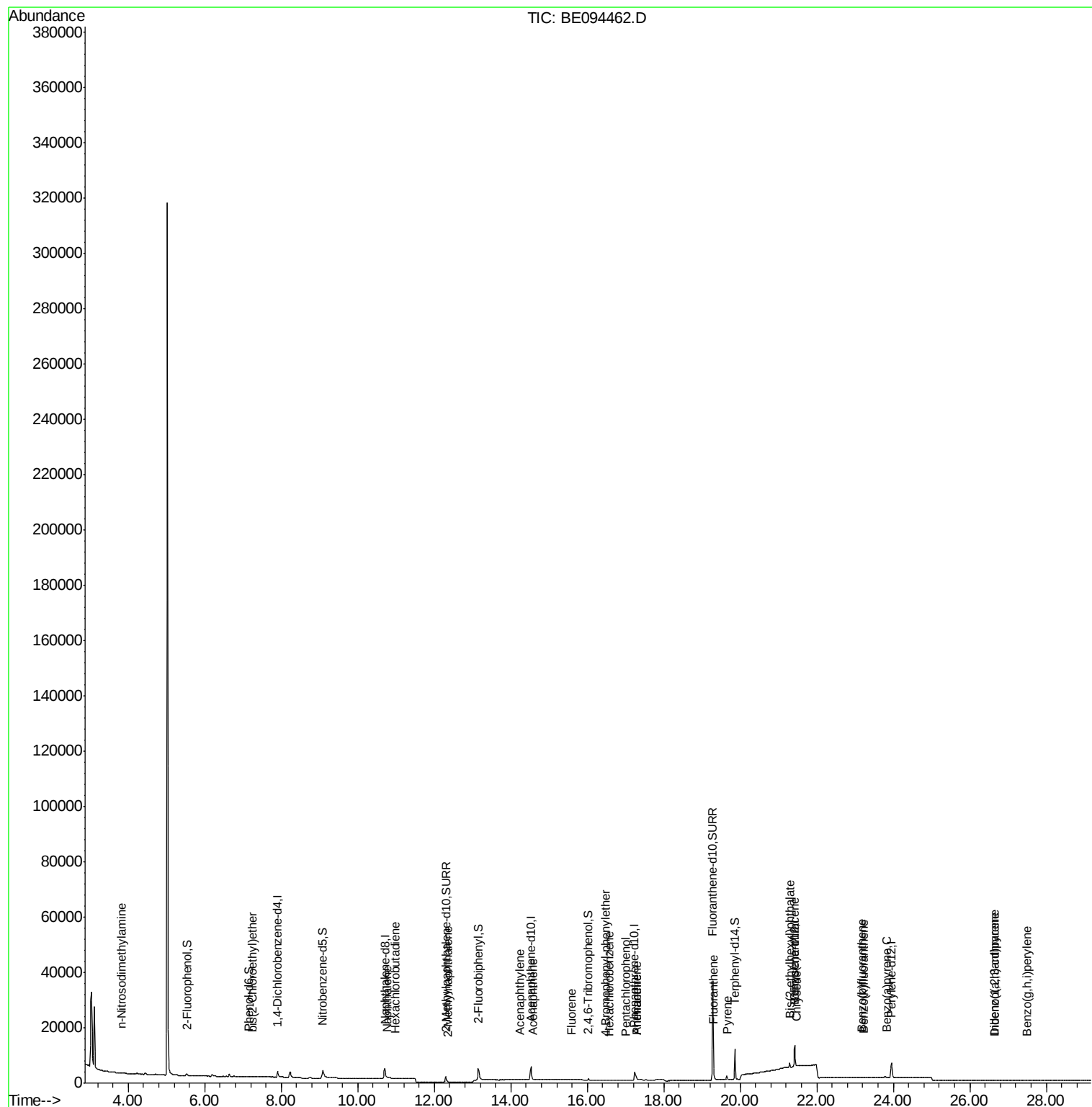
| Target Compounds               | R.T.  | QIon | Response | Conc      | Units | Qvalue |
|--------------------------------|-------|------|----------|-----------|-------|--------|
| 2) 1,4-Dioxane                 | 3.39  | 88   | 64       | Below Cal |       | # 16   |
| 3) n-Nitrosodimethylamine      | 3.83  | 42   | 20       | 0.009     | ng    | # 1    |
| 6) bis(2-Chloroethyl)ether     | 7.25  | 93   | 20       | 0.004     | ng    | # 1    |
| 9) Naphthalene                 | 10.76 | 128  | 316      | 0.005     | ng    | # 61   |
| 10) Hexachlorobutadiene        | 10.99 | 225  | 5        | 0.002     | ng    | # 17   |
| 12) 2-Methylnaphthalene        | 12.36 | 142  | 10       | 0.001     | ng    | # 48   |
| 16) Acenaphthylene             | 14.24 | 152  | 30       | 0.001     | ng    | # 61   |
| 17) Acenaphthene               | 14.58 | 154  | 28       | 0.002     | ng    | # 37   |
| 18) Fluorene                   | 15.58 | 166  | 53       | 0.003     | ng    | # 14   |
| 20) 4-Bromophenyl-phenylether  | 16.49 | 248  | 8        | 0.002     | ng    | # 26   |
| 21) Hexachlorobenzene          | 16.58 | 284  | 8        | 0.028     | ng    | # 38   |
| 22) Pentachlorophenol          | 17.01 | 266  | 2        | 0.159     | ng    | # 93   |
| 23) Phenanthrene               | 17.30 | 178  | 184      | 0.006     | ng    | # 13   |
| 24) Anthracene                 | 17.30 | 178  | 166      | 0.007     | ng    | # 19   |
| 26) Fluoranthene               | 19.31 | 202  | 180      | 0.005     | ng    | # 70   |
| 28) Pyrene                     | 19.67 | 202  | 173      | 0.005     | ng    | # 56   |
| 30) Benzo(a)anthracene         | 21.42 | 228  | 125      | 0.004     | ng    | # 30   |
| 31) Chrysene                   | 21.46 | 228  | 135      | 0.004     | ng    | # 34   |
| 32) Bis(2-ethylhexyl)phthalate | 21.29 | 149  | 2222     | 0.024     | ng    | # 98   |
| 33) Indeno(1,2,3-cd)pyrene     | 26.63 | 276  | 77       | 0.002     | ng    | # 81   |
| 35) Benzo(b)fluoranthene       | 23.17 | 252  | 193      | 0.006     | ng    | # 18   |
| 36) Benzo(k)fluoranthene       | 23.22 | 252  | 57       | 0.002     | ng    | # 5    |
| 37) Benzo(a)pyrene             | 23.83 | 252  | 23       | 0.001     | ng    | # 1    |
| 38) Dibenzo(a,h)anthracene     | 26.66 | 278  | 27       | 0.001     | ng    | # 1    |
| 39) Benzo(g,h,i)perylene       | 27.48 | 276  | 61       | 0.002     | ng    | # 25   |

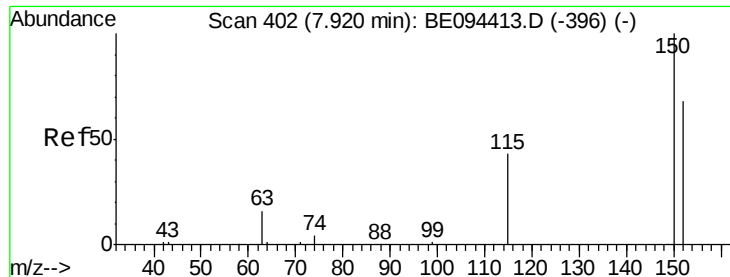
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 0.400 ng

RT: 7.91 min Scan# 401

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

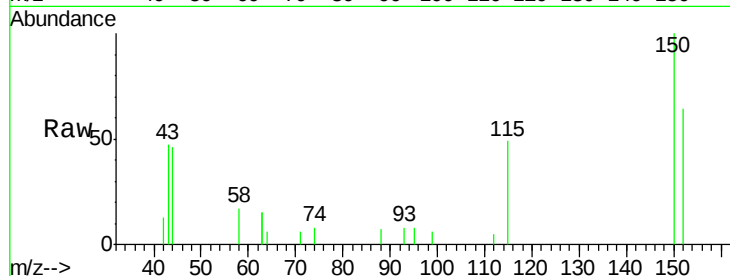
Tgt Ion: 152 Resp: 1237

Ion Ratio Lower Upper

152 100

150 156.3 117.2 175.8

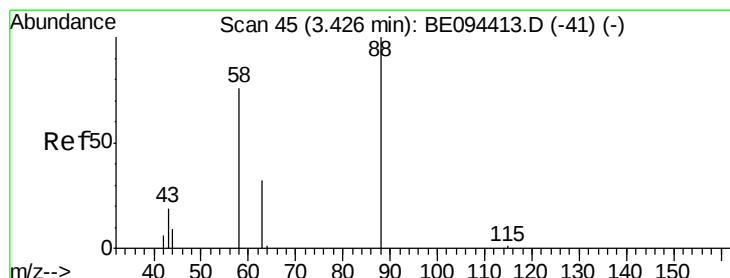
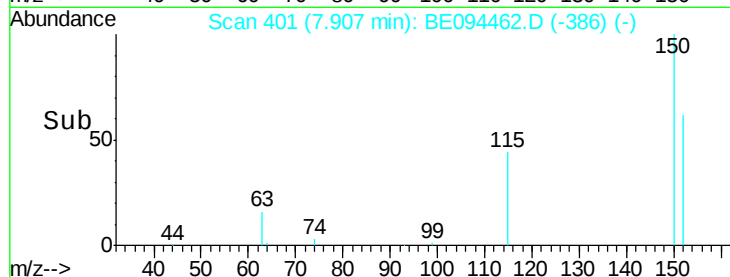
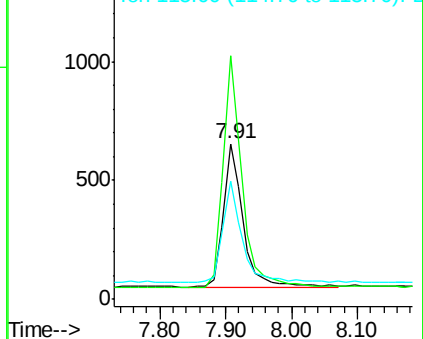
115 76.2 57.0 85.6



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: Below Cal

RT: 3.39 min Scan# 42

Delta R.T. -0.04 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

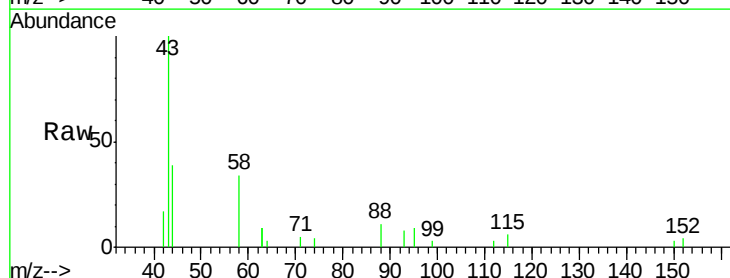
Tgt Ion: 88 Resp: 64

Ion Ratio Lower Upper

88 100

58 0.0 63.2 94.8#

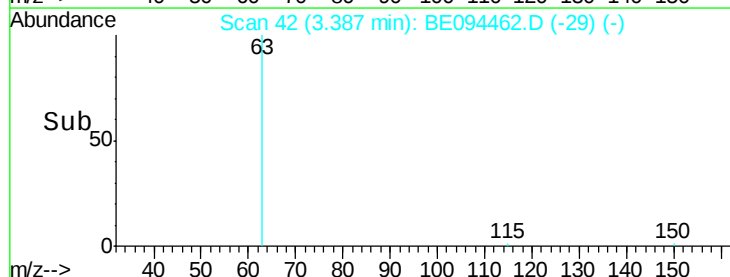
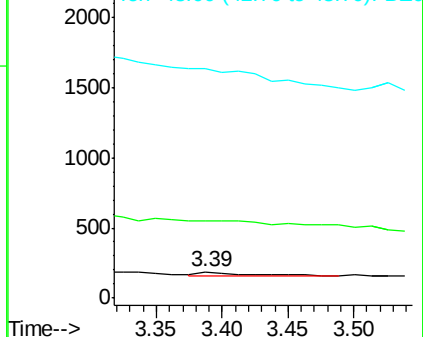
43 0.0 41.2 61.8#

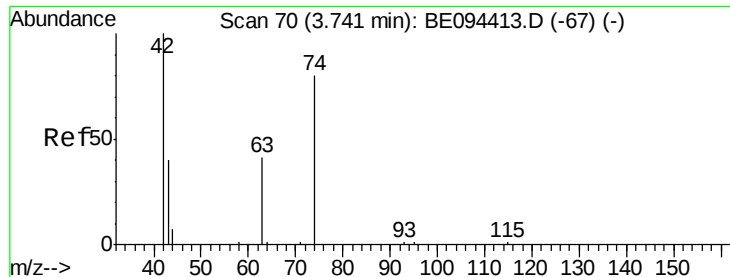


Abundance Ion 88.00 (87.70 to 88.70): BE0

Ion 58.00 (57.70 to 58.70): BE0

Ion 43.00 (42.70 to 43.70): BE0





#3

n-Nitrosodimethylamine

Concen: 0.009 ng

RT: 3.83 min Scan# 77

Delta R.T. 0.09 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

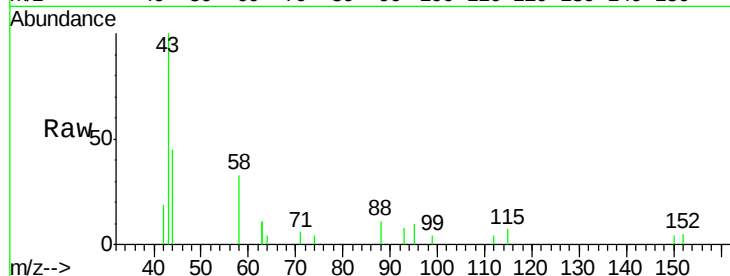
Tgt Ion: 42 Resp: 20

Ion Ratio Lower Upper

42 100

74 0.0 100.3 150.5#

44 0.0 17.0 25.4#



Abundance Ion 42.00 (41.70 to 42.70): BE0

Ion 74.00 (73.70 to 74.70): BE0

Ion 44.00 (43.70 to 44.70): BE0

800

600

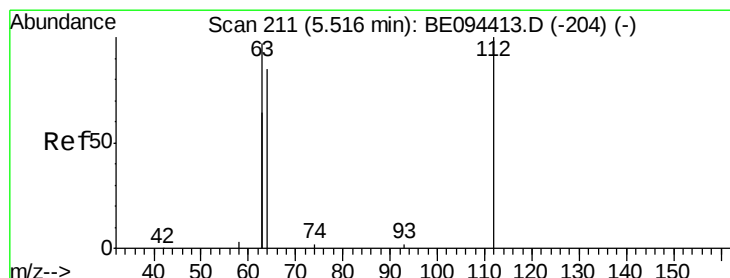
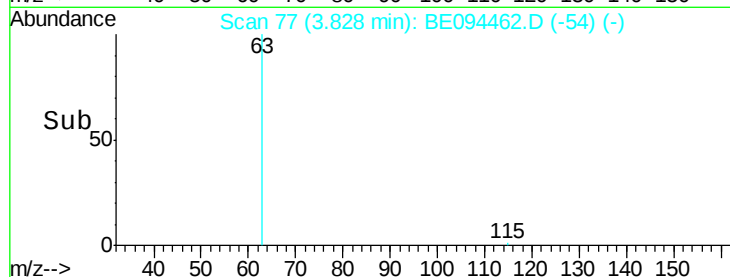
400

200

0

3.80 3.85 3.90

Time-->



#4

2-Fluorophenol

Concen: 0.142 ng

RT: 5.53 min Scan# 212

Delta R.T. 0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

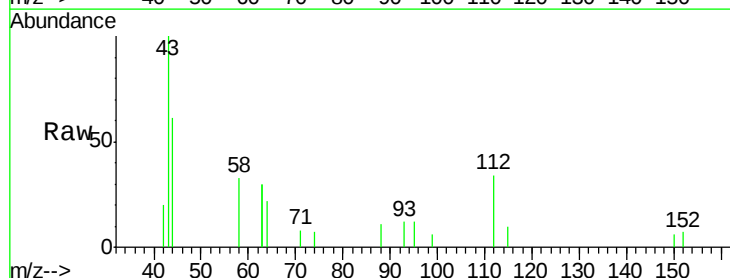
Tgt Ion: 112 Resp: 592

Ion Ratio Lower Upper

112 100

64 71.3 60.1 90.1

63 146.8 116.8 175.2



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BE0

Ion 63.00 (62.70 to 63.70): BE0

800

600

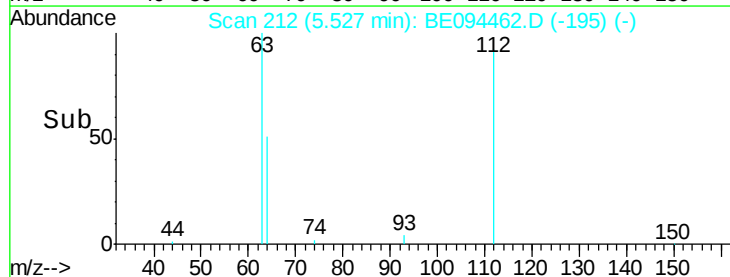
400

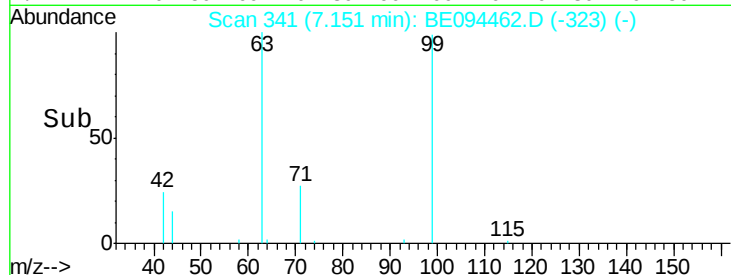
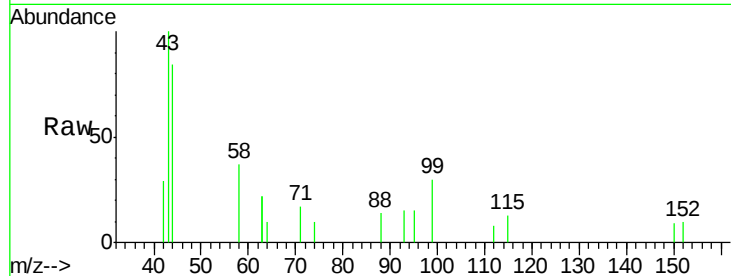
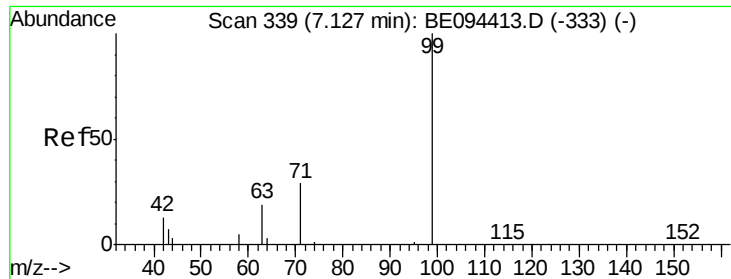
200

0

5.40 5.50 5.60 5.70

Time-->





#5

Phenol-d6

Concen: 0.089 ng

RT: 7.15 min Scan# 341

Delta R.T. 0.02 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

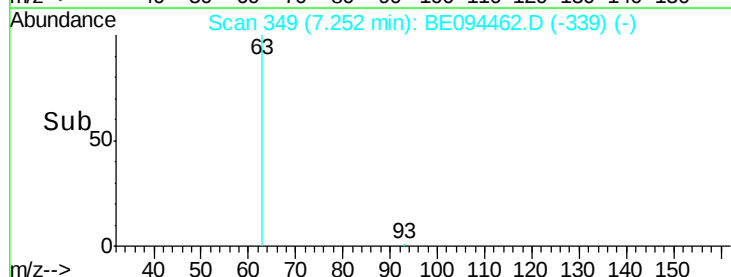
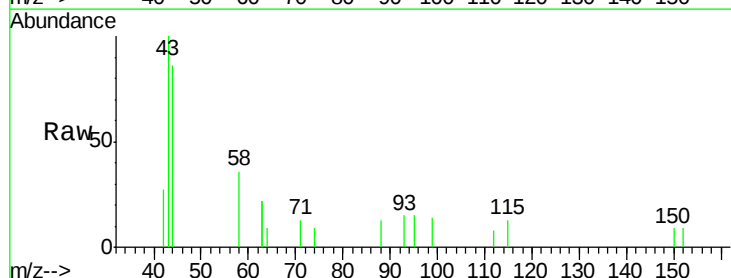
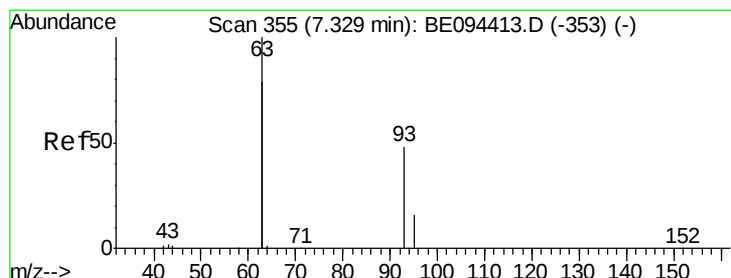
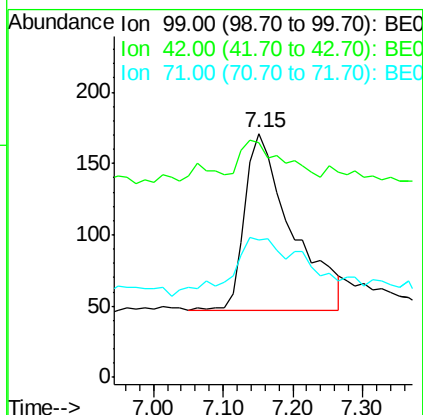
Tgt Ion: 99 Resp: 582

Ion Ratio Lower Upper

99 100

42 18.6 20.2 30.2#

71 34.2 28.4 42.6



#6

bis(2-Chloroethyl)ether

Concen: 0.004 ng

RT: 7.25 min Scan# 349

Delta R.T. -0.08 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

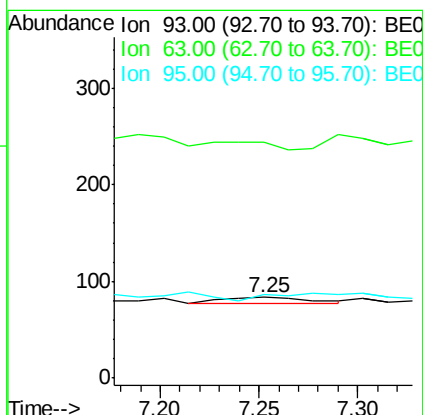
Tgt Ion: 93 Resp: 20

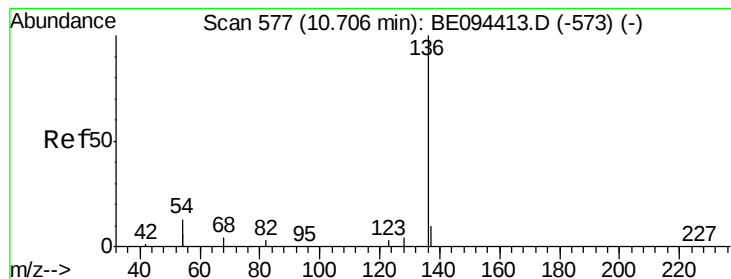
Ion Ratio Lower Upper

93 100

63 0.0 275.3 412.9#

95 0.0 25.2 37.8#





#7

Naphthalene-d8

Concen: 0.400 ng

RT: 10.71 min Scan# 577

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

Tgt Ion: 136 Resp: 6151

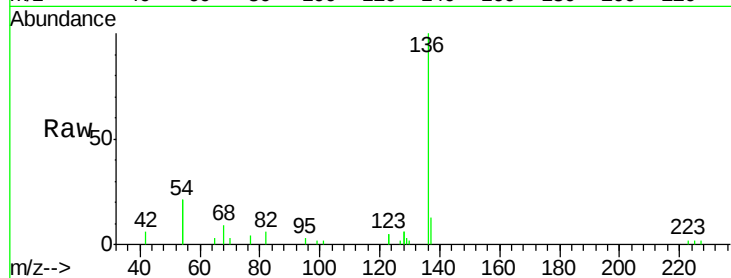
Ion Ratio Lower Upper

136 100

137 12.6 9.5 14.3

54 42.4 29.1 43.7

68 8.8 6.2 9.2

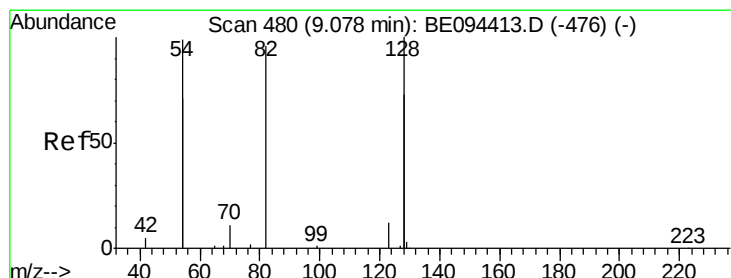
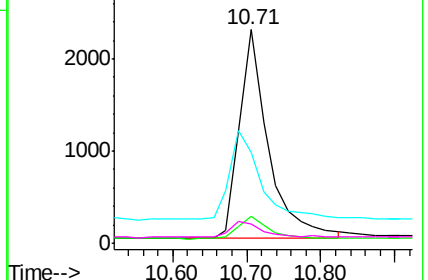
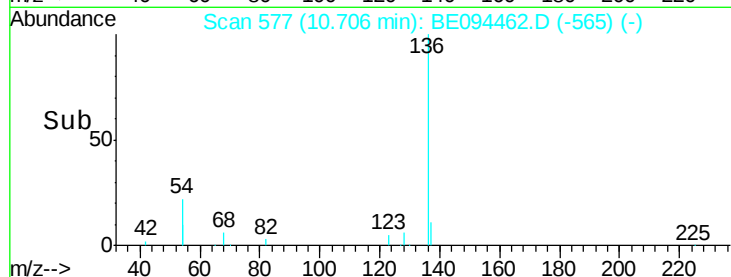


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BE0

Ion 68.00 (67.70 to 68.70): BE0



#8

Nitrobenzene-d5

Concen: 0.450 ng

RT: 9.08 min Scan# 480

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

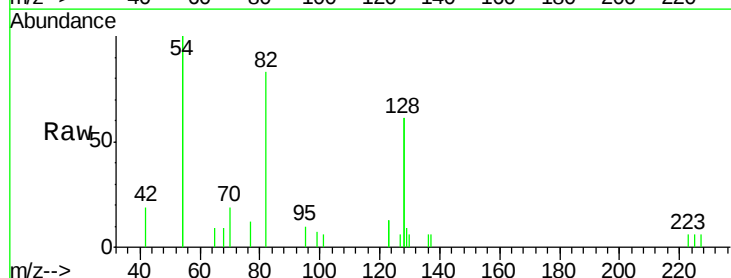
Tgt Ion: 82 Resp: 2404

Ion Ratio Lower Upper

82 100

128 148.7 150.0 225.0#

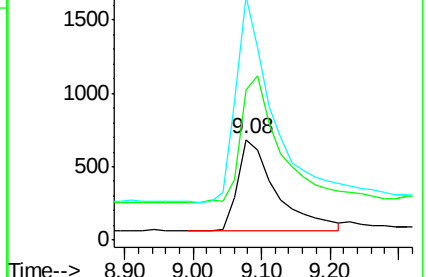
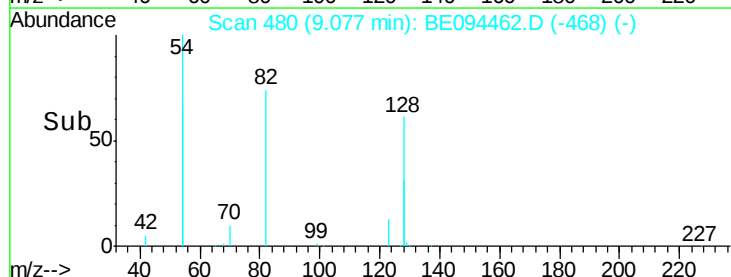
54 242.0 154.2 231.4#

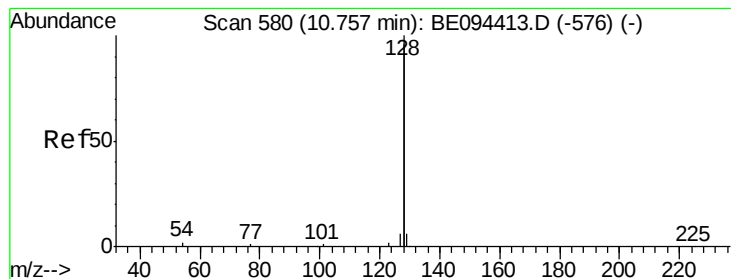


Abundance Ion 82.00 (81.70 to 82.70): BE0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BE0





#9

Naphthalene

Concen: 0.005 ng

RT: 10.76 min Scan# 580

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampled :

3919-FB

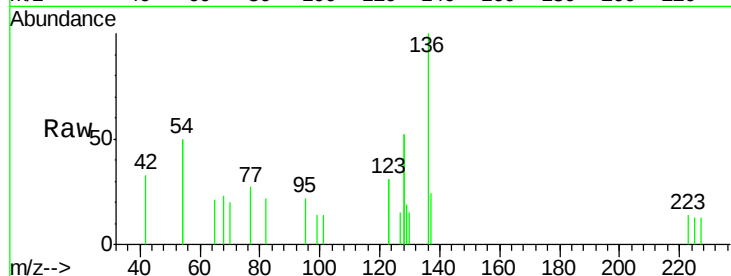
Tgt Ion:128 Resp: 316

Ion Ratio Lower Upper

128 100

129 18.1 2.6 3.8#

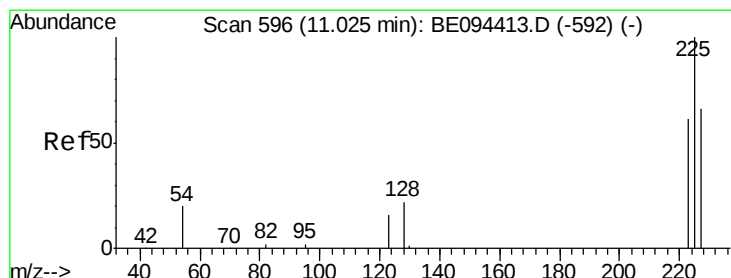
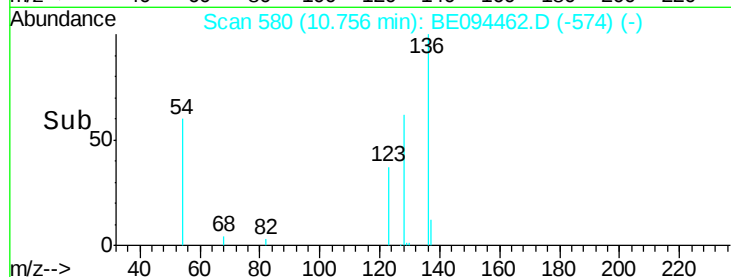
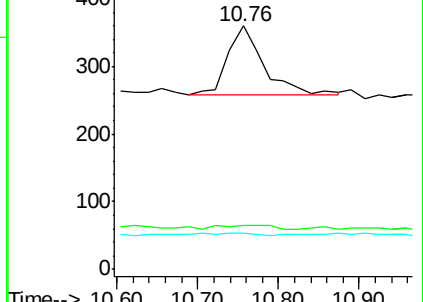
127 14.7 2.8 4.2#



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#10

Hexachlorobutadiene

Concen: 0.002 ng

RT: 10.99 min Scan# 594

Delta R.T. -0.03 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

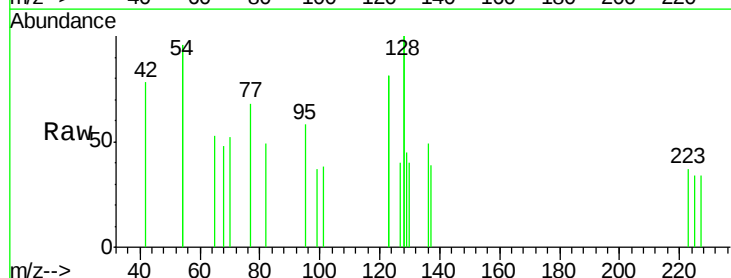
Tgt Ion:225 Resp: 5

Ion Ratio Lower Upper

225 100

223 0.0 53.0 79.6#

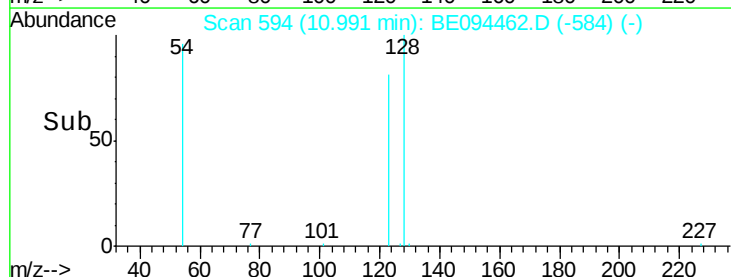
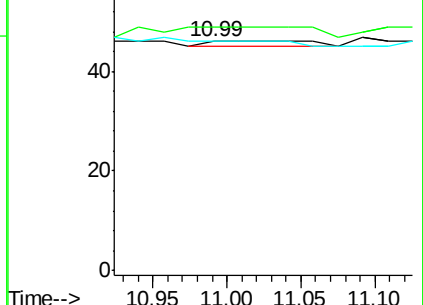
227 0.0 51.4 77.2#

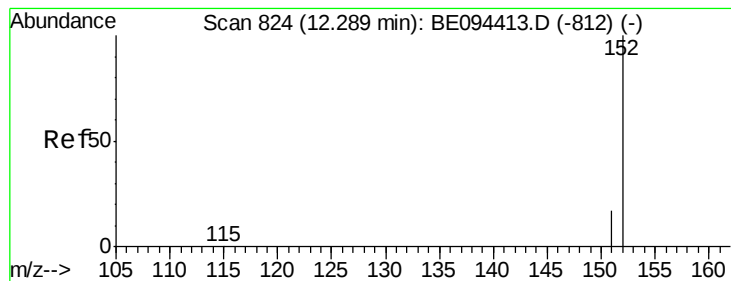


Abundance Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





#11

2-Methylnaphthalene-d10

Concen: 0.480 ng

RT: 12.29 min Scan# 825

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

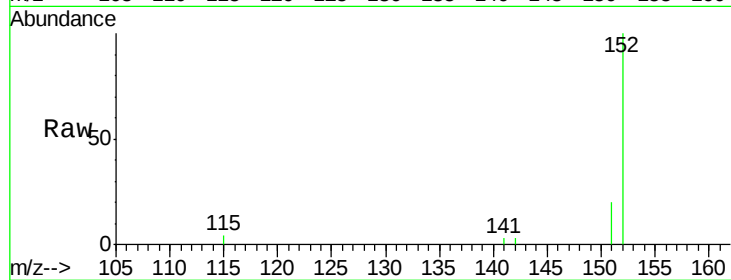
3919-FB

Tgt Ion:152 Resp: 4550

Ion Ratio Lower Upper

152 100

151 19.0 15.4 23.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

12.29

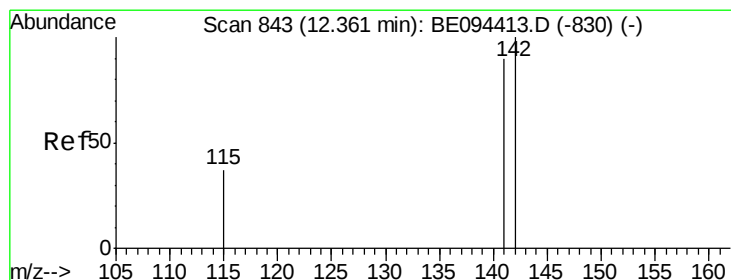
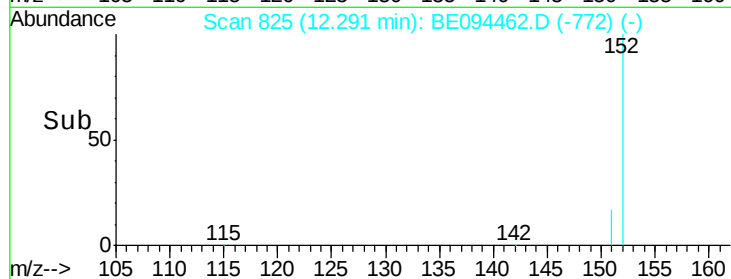
1500

1000

500

0

Time--> 12.20 12.30 12.40



#12

2-Methylnaphthalene

Concen: 0.001 ng

RT: 12.36 min Scan# 843

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

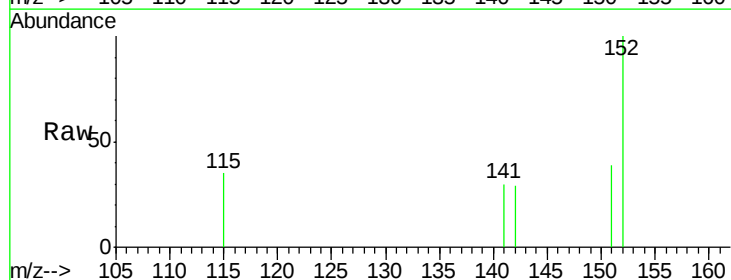
Tgt Ion:142 Resp: 10

Ion Ratio Lower Upper

142 100

141 103.2 70.4 105.6

115 120.6 31.7 47.5#



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

12.36

100

80

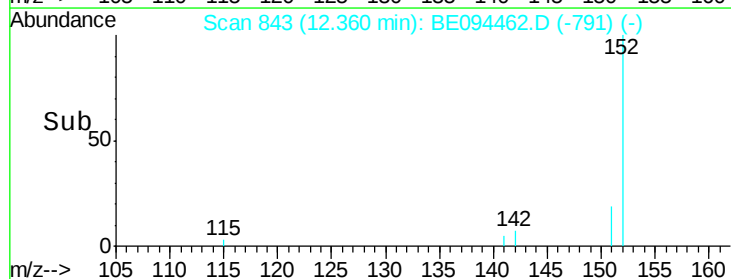
60

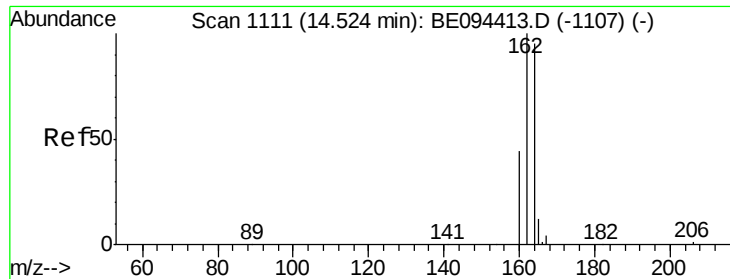
40

20

0

Time--> 12.34 12.36





#13

Acenaphthene-d10

Concen: 0.400 ng

RT: 14.53 min Scan# 1112

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

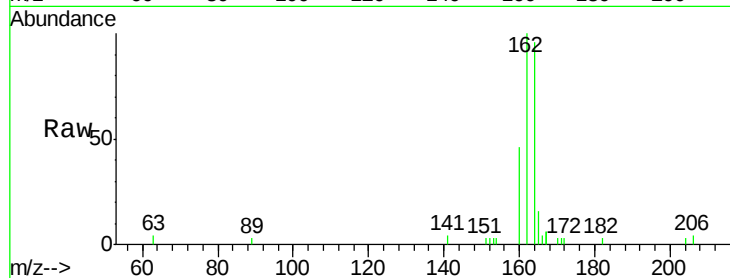
Tgt Ion:164 Resp: 3811

Ion Ratio Lower Upper

164 100

162 104.5 83.1 124.7

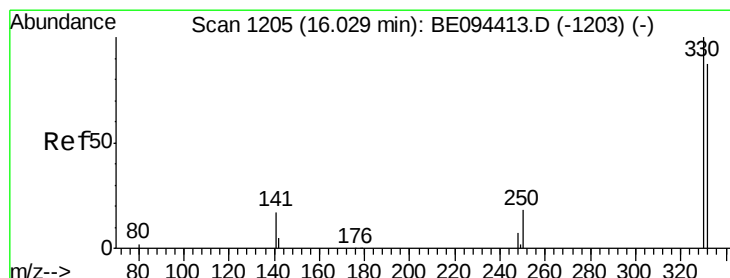
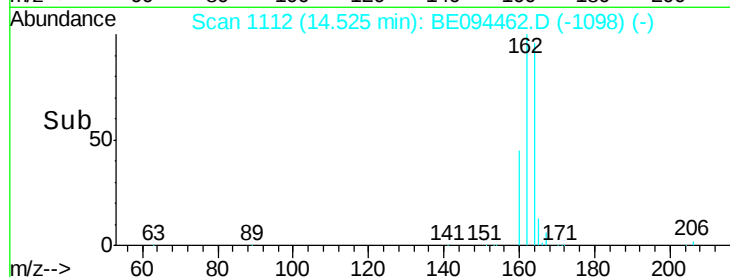
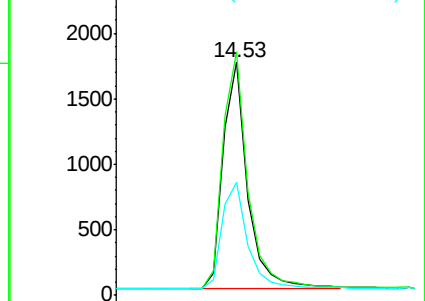
160 48.5 37.1 55.7



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#14

2,4,6-Tribromophenol

Concen: 0.411 ng

RT: 16.03 min Scan# 1206

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

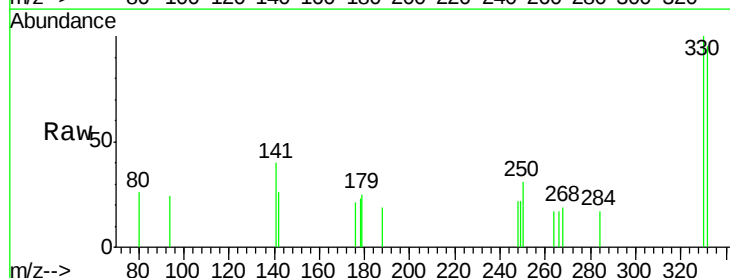
Tgt Ion:330 Resp: 597

Ion Ratio Lower Upper

330 100

332 95.6 152.7 229.1#

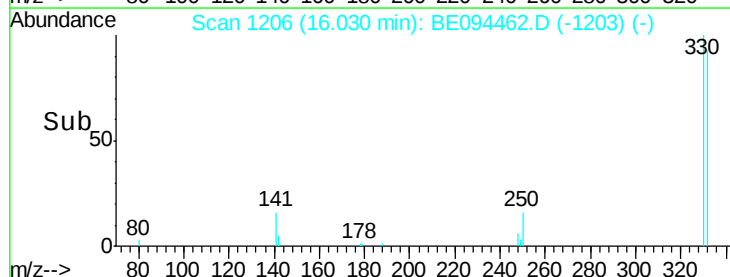
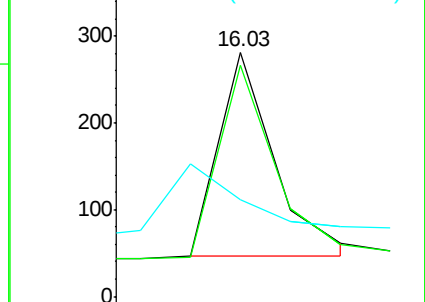
141 0.0 33.7 50.5#

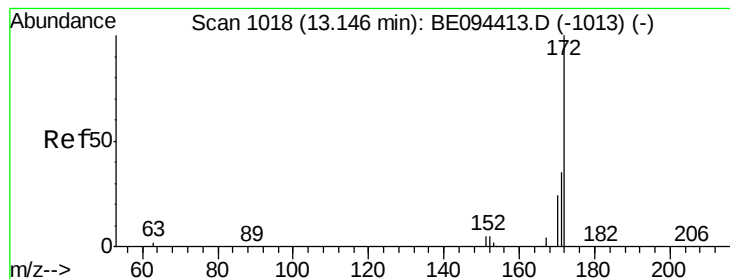


Abundance Ion 330.00 (329.70 to 330.70): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

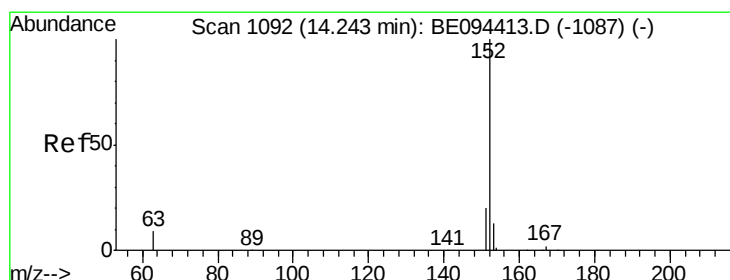
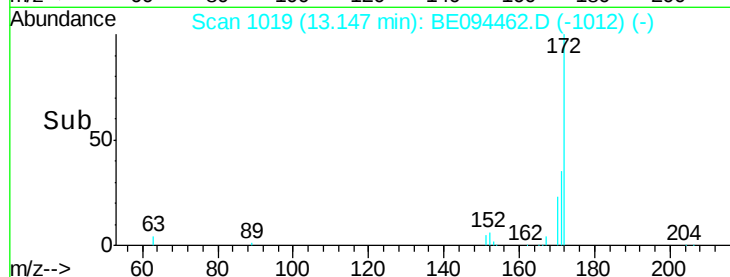
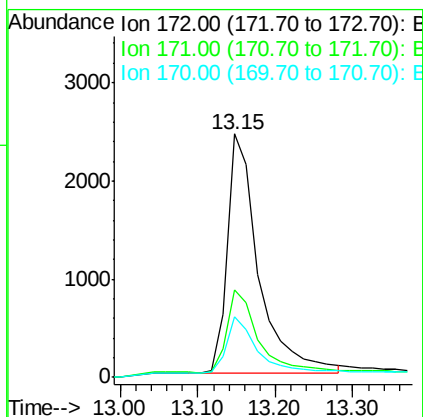
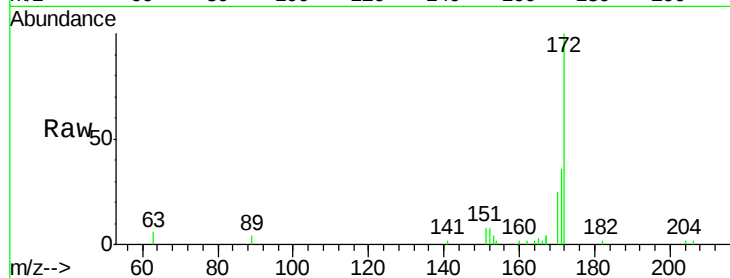




#15  
2-Fluorobiphenyl  
Concen: 0.498 ng  
RT: 13.15 min Scan# 1019  
Delta R.T. 0.00 min  
Lab File: BE094462.D  
Acq: 20 Oct 2017 1:11

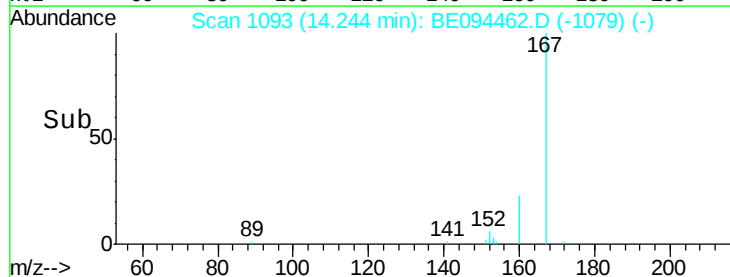
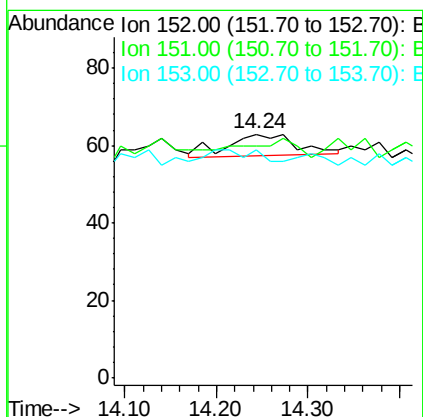
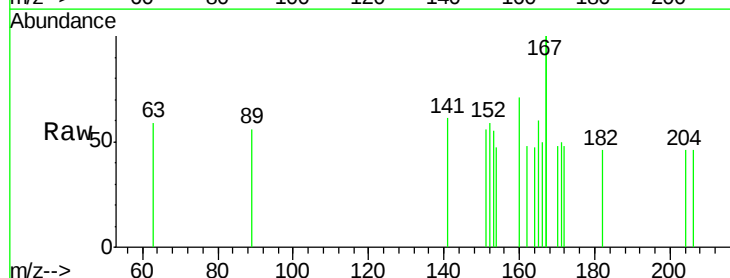
Instrument :  
BNA\_E  
ClientSampleId :  
3919-FB

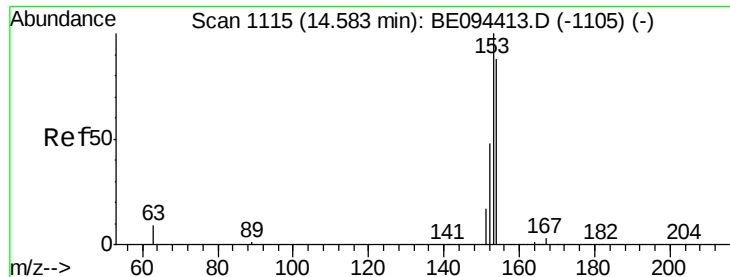
Tgt Ion:172 Resp: 6778  
Ion Ratio Lower Upper  
172 100  
171 36.0 29.9 44.9  
170 24.8 21.8 32.8



#16  
Acenaphthylene  
Concen: 0.001 ng  
RT: 14.24 min Scan# 1093  
Delta R.T. 0.00 min  
Lab File: BE094462.D  
Acq: 20 Oct 2017 1:11

Tgt Ion:152 Resp: 30  
Ion Ratio Lower Upper  
152 100  
151 0.0 15.7 23.5#  
153 0.0 10.5 15.7#





#17

Acenaphthene

Concen: 0.002 ng

RT: 14.58 min Scan# 1116

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

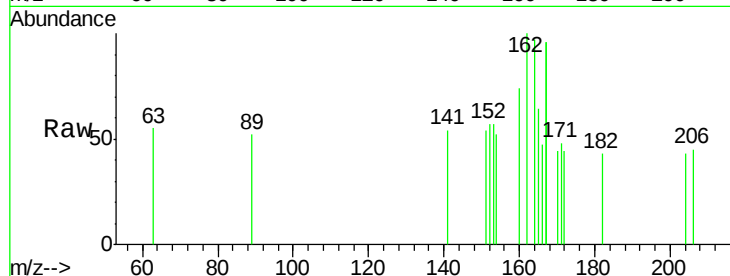
Tgt Ion:154 Resp: 28

Ion Ratio Lower Upper

154 100

153 57.1 89.2 133.8#

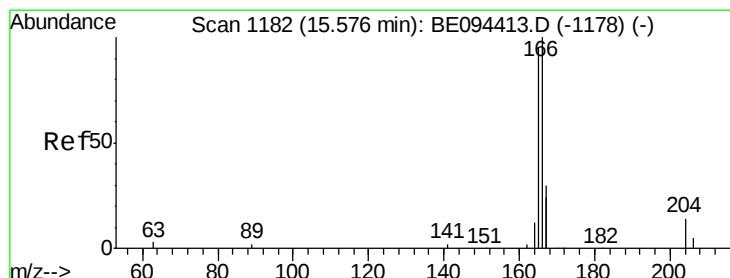
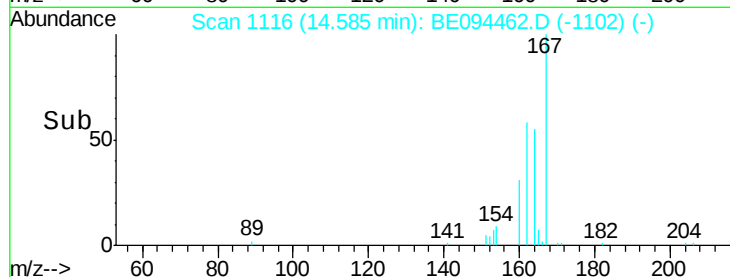
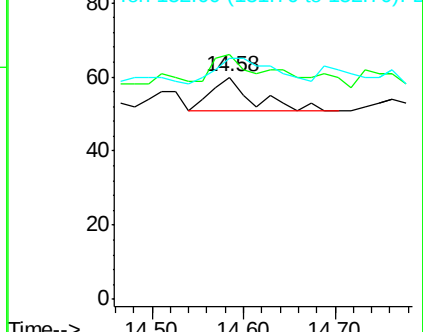
152 114.3 42.0 63.0#



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#18

Fluorene

Concen: 0.003 ng

RT: 15.58 min Scan# 1183

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

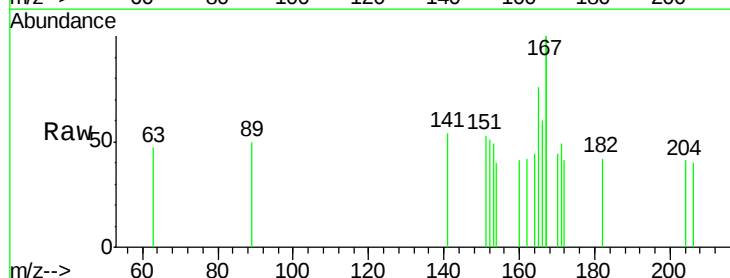
Tgt Ion:166 Resp: 53

Ion Ratio Lower Upper

166 100

165 124.5 77.8 116.6#

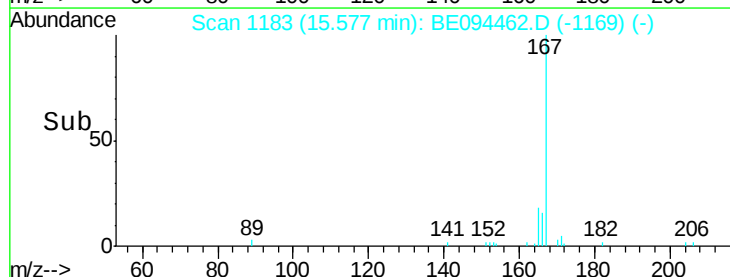
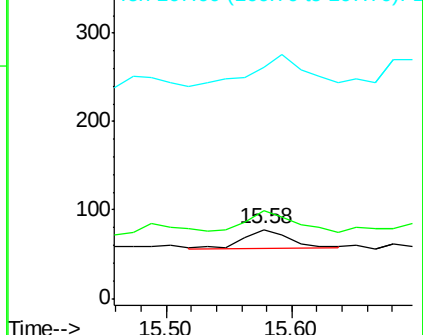
167 190.6 42.4 63.6#

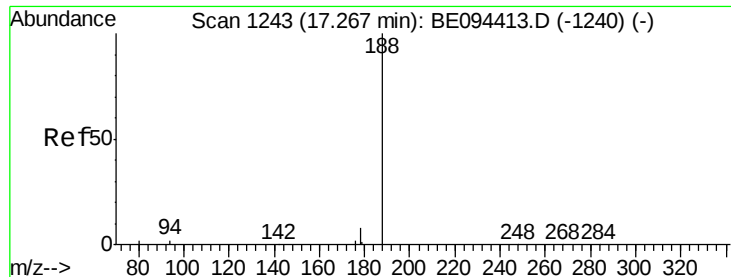


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E





#19

Phenanthrene-d10

Concen: 0.400 ng

RT: 17.24 min Scan# 1243

Delta R.T. -0.03 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

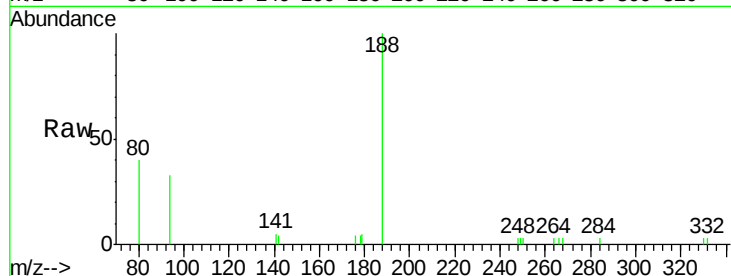
Tgt Ion:188 Resp: 7735

Ion Ratio Lower Upper

188 100

94 33.1 3.9 5.9#

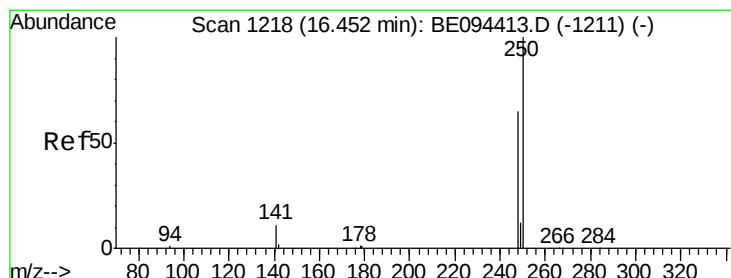
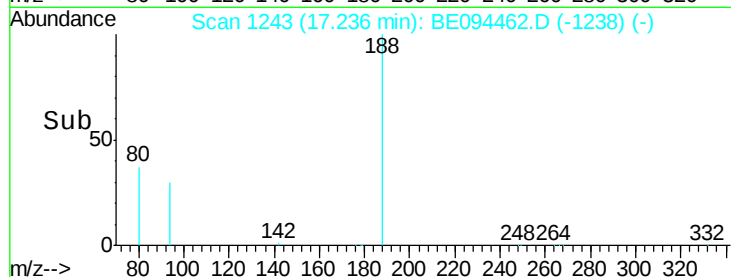
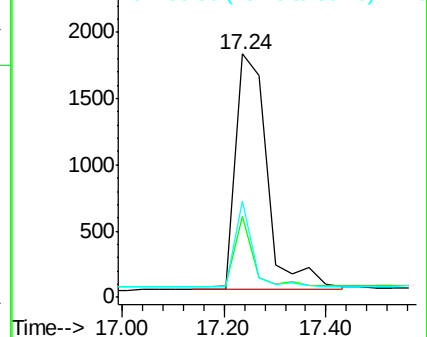
80 39.8 3.6 5.4#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BE0

Ion 80.00 (79.70 to 80.70): BE0



#20

4-Bromophenyl-phenylether

Concen: 0.002 ng

RT: 16.49 min Scan# 1220

Delta R.T. 0.03 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

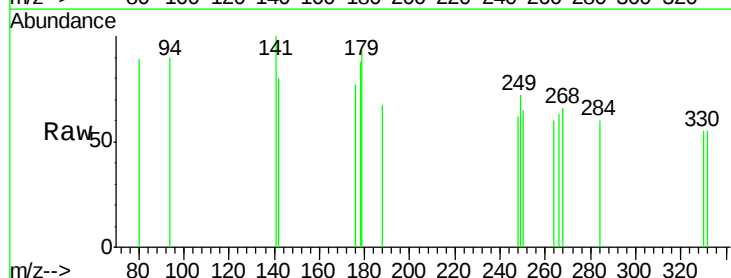
Tgt Ion:248 Resp: 8

Ion Ratio Lower Upper

248 100

250 103.9 62.7 94.1#

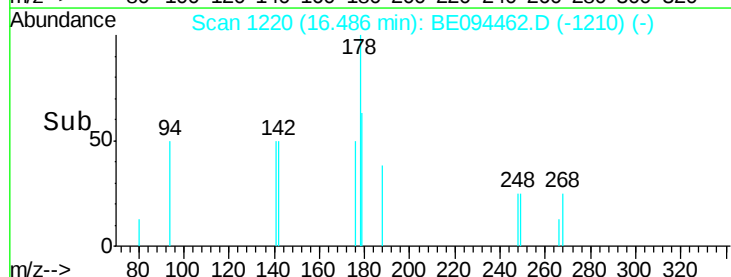
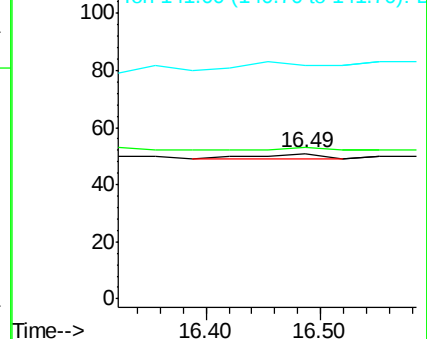
141 160.8 48.2 72.2#

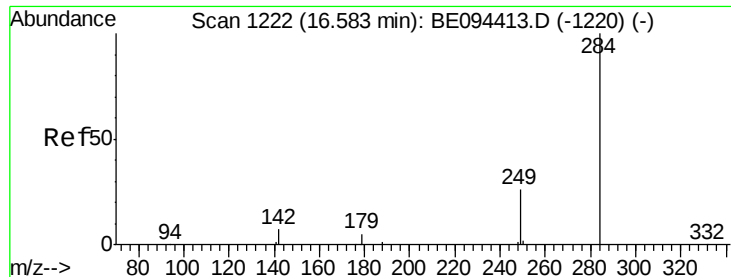


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E





#21

Hexachlorobenzene

Concen: 0.028 ng

RT: 16.58 min Scan# 1223

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

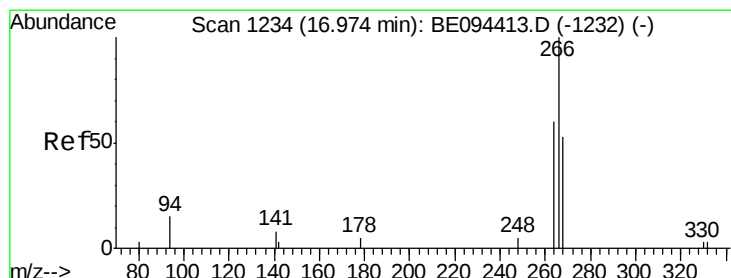
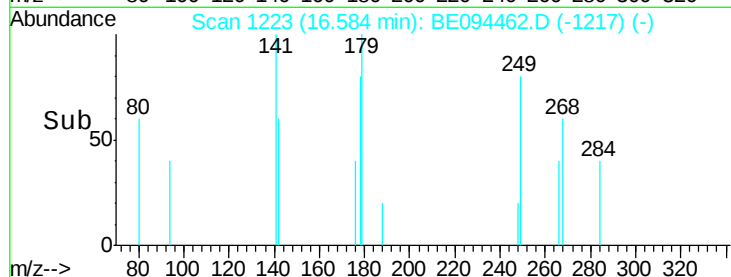
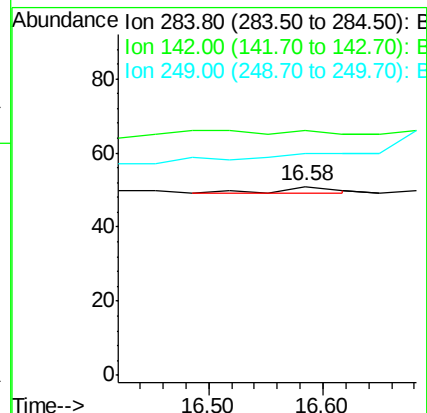
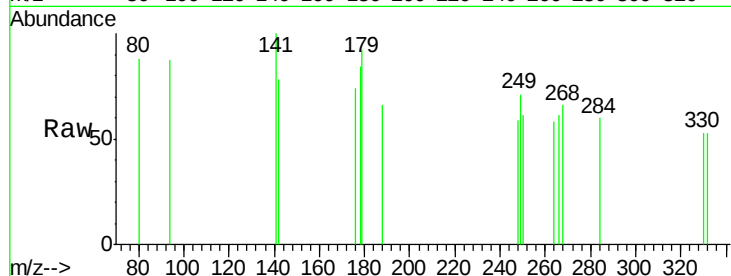
Tgt Ion:284 Resp: 8

Ion Ratio Lower Upper

284 100

142 0.0 22.1 33.1#

249 0.0 34.8 52.2#



#22

Pentachlorophenol

Concen: 0.159 ng

RT: 17.01 min Scan# 1236

Delta R.T. 0.03 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

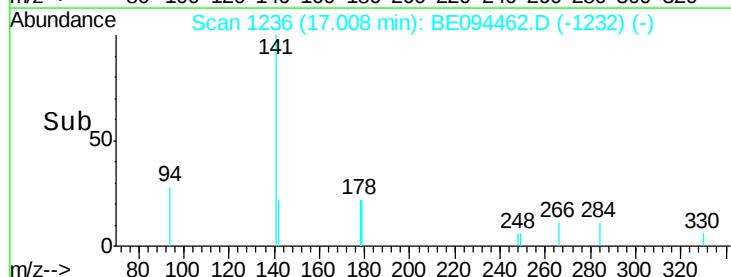
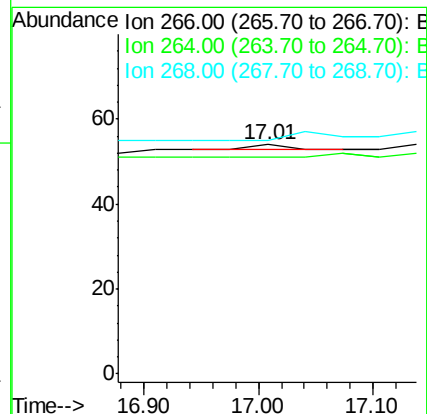
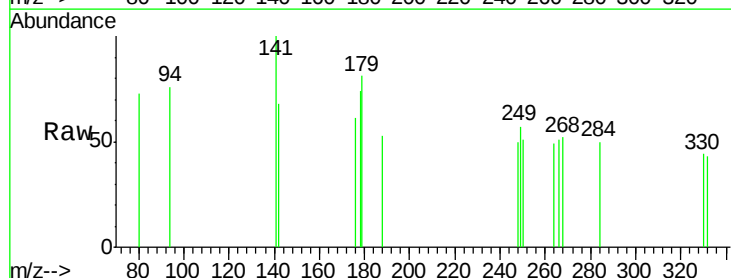
Tgt Ion:266 Resp: 2

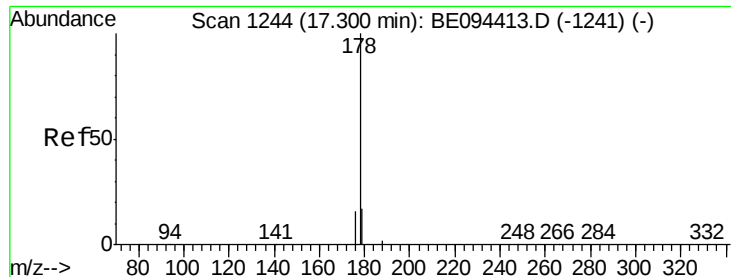
Ion Ratio Lower Upper

266 100

264 94.4 72.5 108.7

268 101.9 73.8 110.6





#23

Phenanthrene

Concen: 0.006 ng

RT: 17.30 min Scan# 1245

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

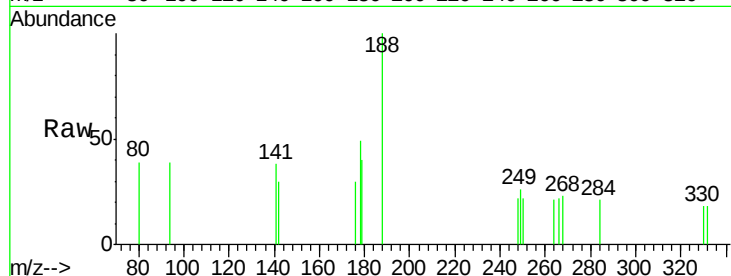
Tgt Ion:178 Resp: 184

Ion Ratio Lower Upper

178 100

176 35.9 15.1 22.7#

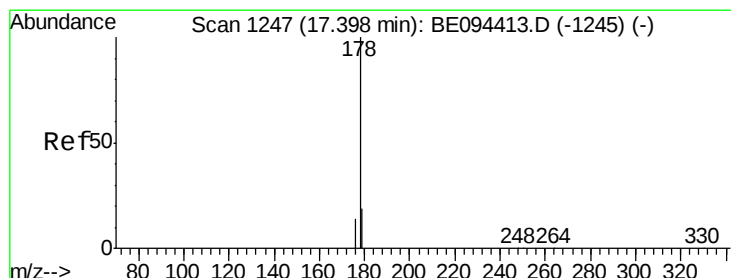
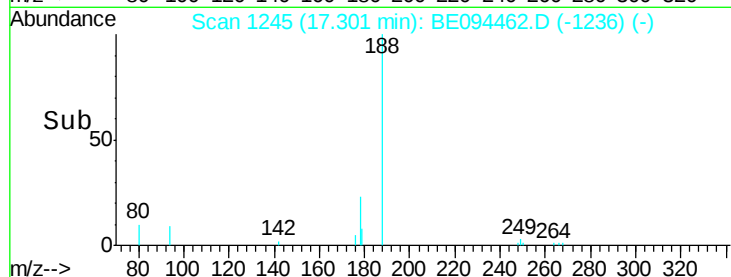
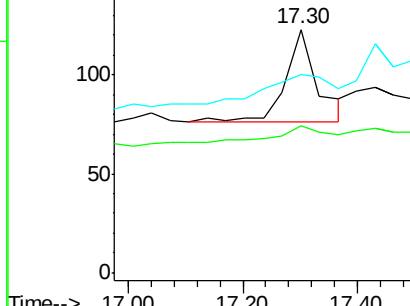
179 76.6 11.8 17.6#



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#24

Anthracene

Concen: 0.007 ng

RT: 17.30 min Scan# 1245

Delta R.T. -0.10 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

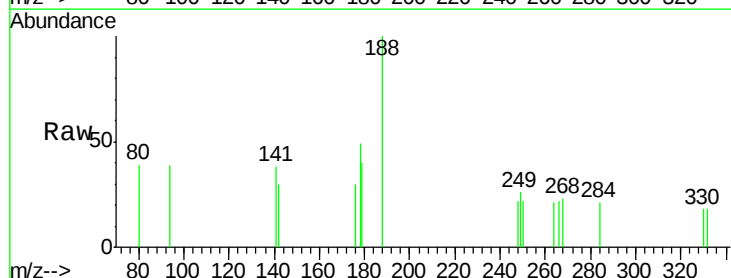
Tgt Ion:178 Resp: 166

Ion Ratio Lower Upper

178 100

176 28.3 12.8 19.2#

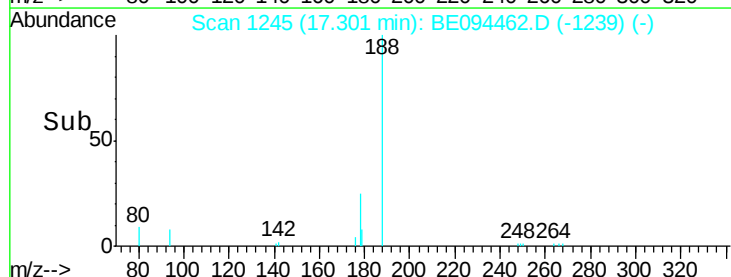
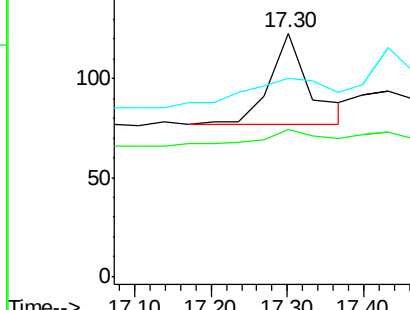
179 72.9 13.0 19.6#

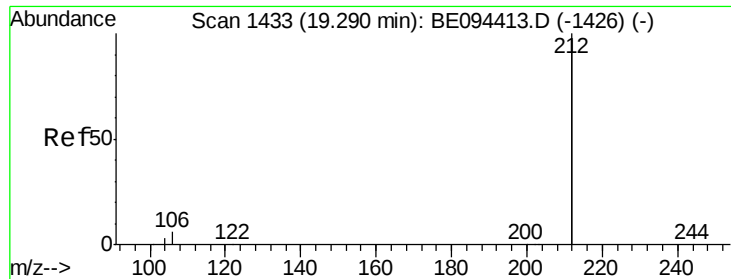


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#25

Fluoranthene-d10

Concen: 0.417 ng

RT: 19.28 min Scan# 1433

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

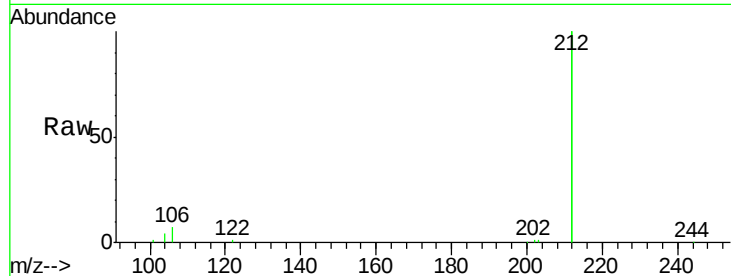
Tgt Ion:212 Resp: 51935

Ion Ratio Lower Upper

212 100

106 3.5 2.8 4.2

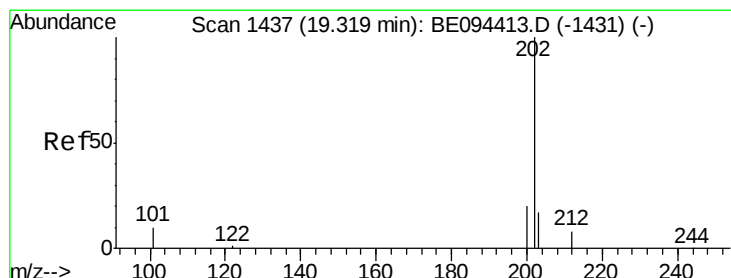
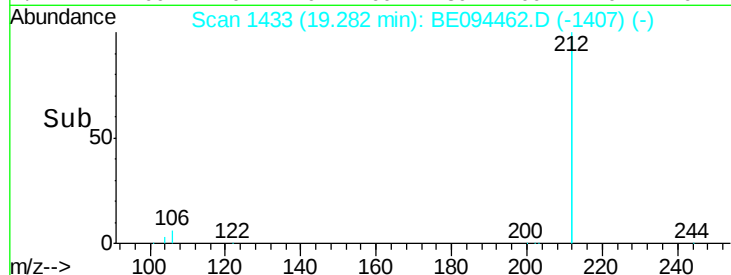
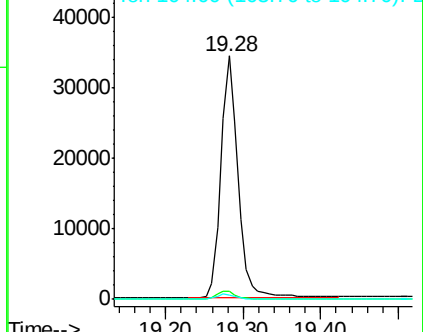
104 1.9 1.6 2.4



Abundance Ion 212.00 (211.70 to 212.70): E

Ion 106.00 (105.70 to 106.70): E

Ion 104.00 (103.70 to 104.70): E



#26

Fluoranthene

Concen: 0.005 ng

RT: 19.31 min Scan# 1437

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

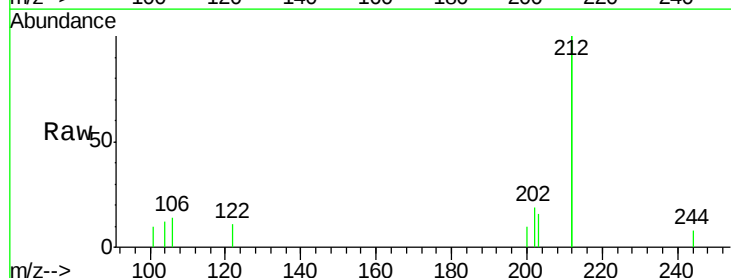
Tgt Ion:202 Resp: 180

Ion Ratio Lower Upper

202 100

101 0.0 9.8 14.8#

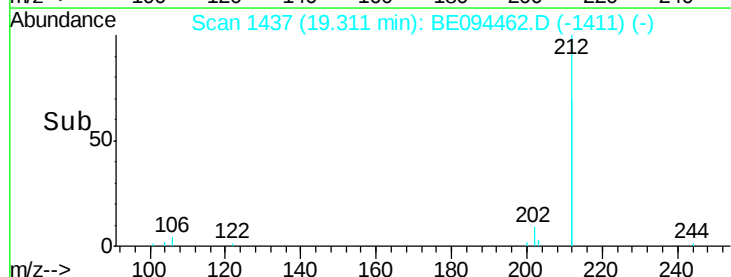
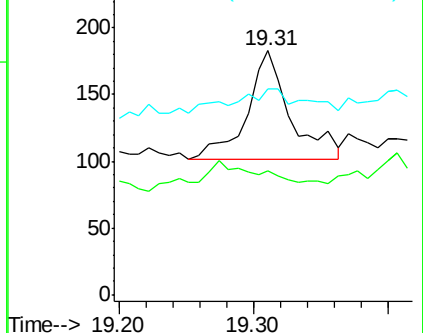
203 29.4 13.7 20.5#

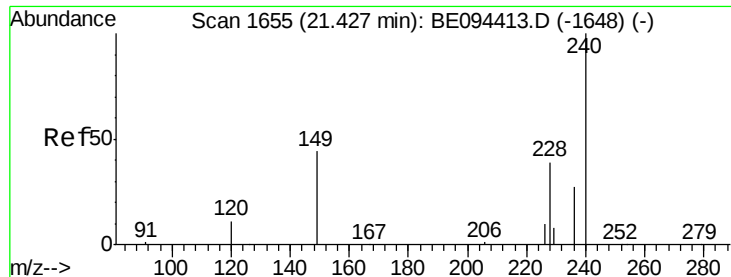


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#27

Chrysene-d12

Concen: 0.400 ng

RT: 21.43 min Scan# 1656

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

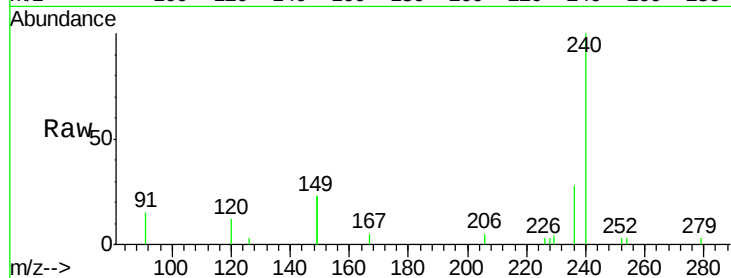
Tgt Ion:240 Resp: 9292

Ion Ratio Lower Upper

240 100

120 11.8 5.5 8.3#

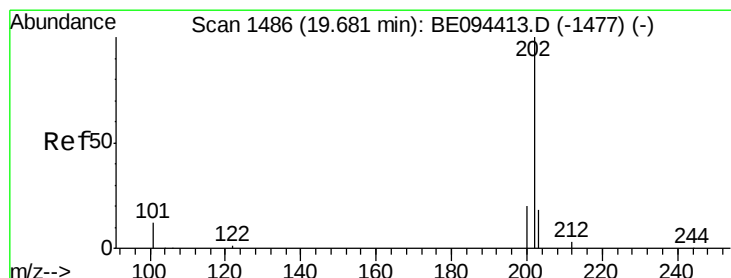
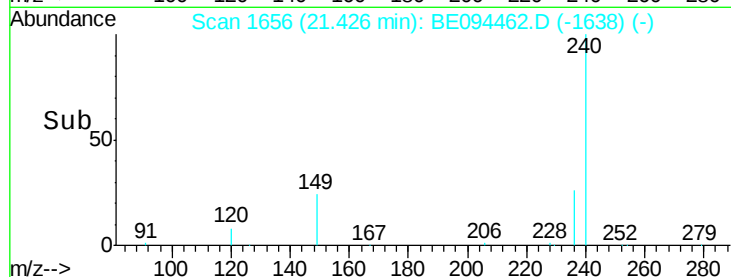
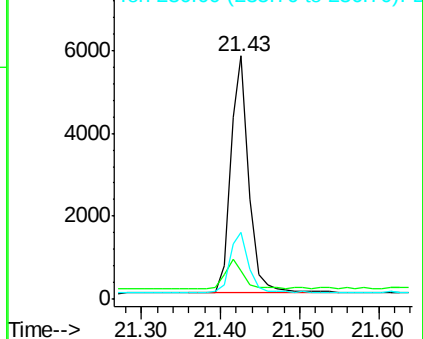
236 27.7 20.7 31.1



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#28

Pyrene

Concen: 0.005 ng

RT: 19.67 min Scan# 1486

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

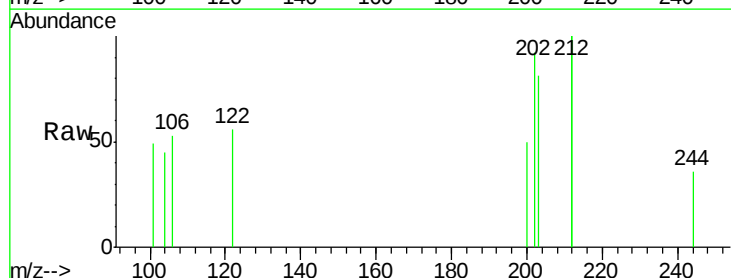
Tgt Ion:202 Resp: 173

Ion Ratio Lower Upper

202 100

200 23.1 16.6 25.0

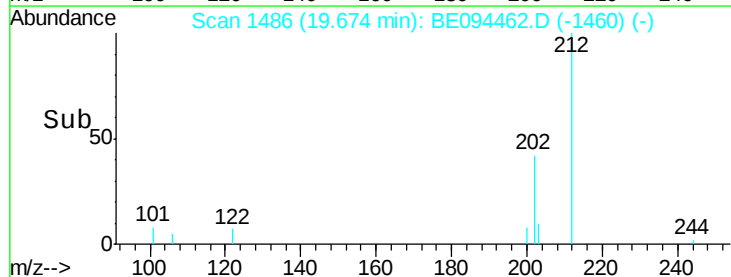
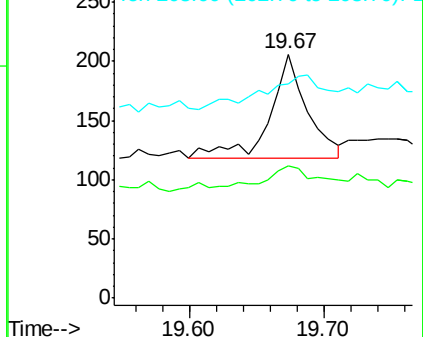
203 57.2 13.8 20.8#

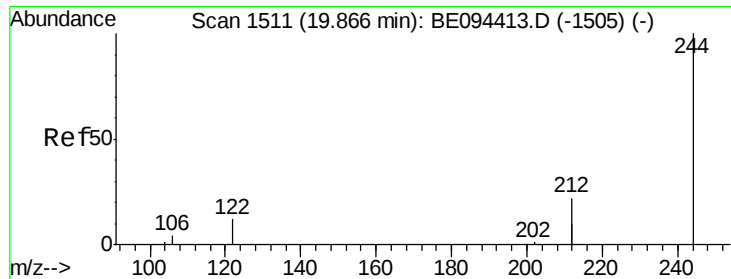


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#29

Terphenyl-d14

Concen: 0.524 ng

RT: 19.86 min Scan# 1511

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

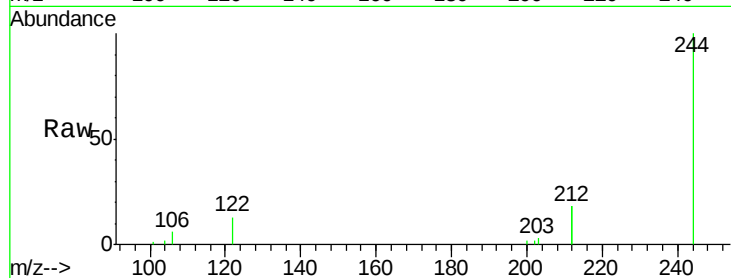
Tgt Ion:244 Resp: 9833

Ion Ratio Lower Upper

244 100

212 36.5 25.4 38.0

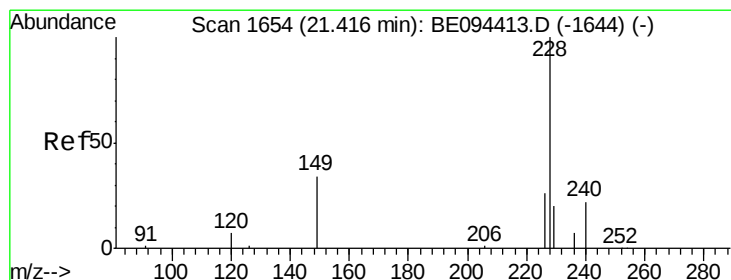
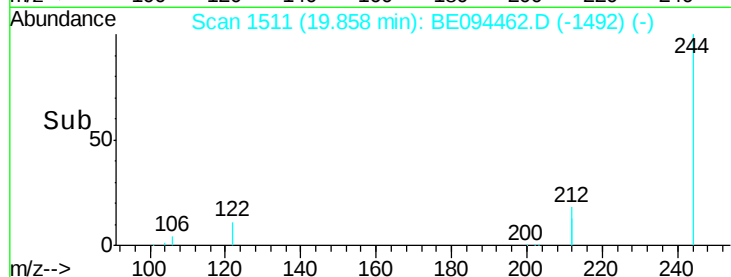
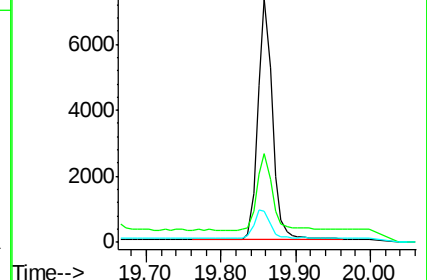
122 12.9 8.1 12.1#



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#30

Benzo(a)anthracene

Concen: 0.004 ng

RT: 21.42 min Scan# 1655

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

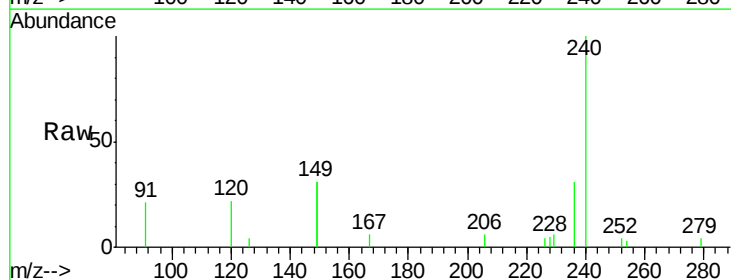
Tgt Ion:228 Resp: 125

Ion Ratio Lower Upper

228 100

226 83.7 40.0 60.0#

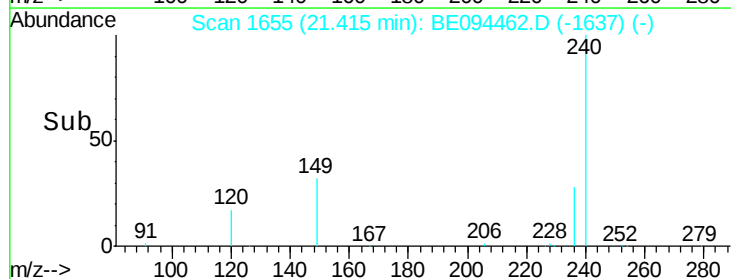
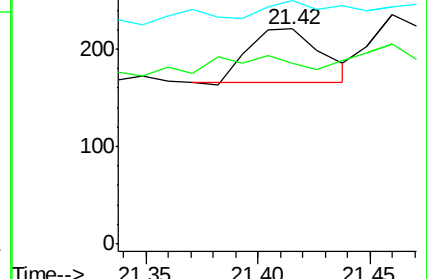
229 113.1 40.0 60.0#

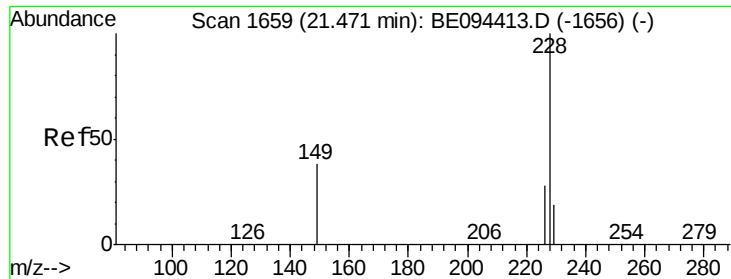


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#31

Chrysene

Concen: 0.004 ng

RT: 21.46 min Scan# 1659

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

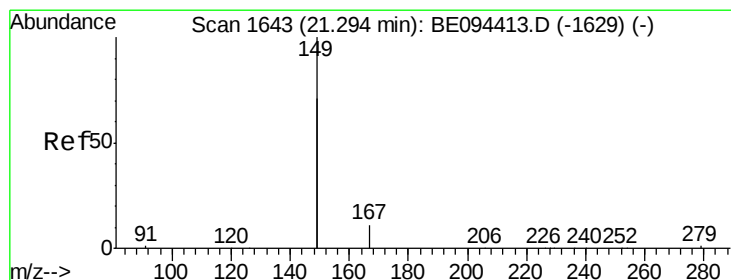
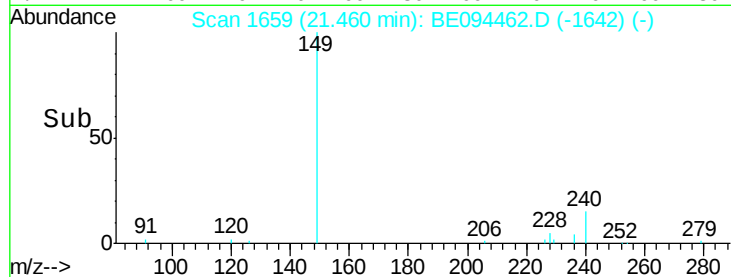
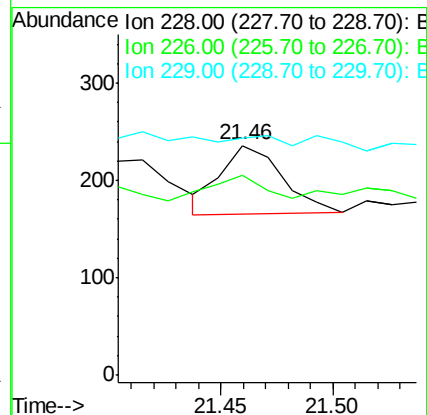
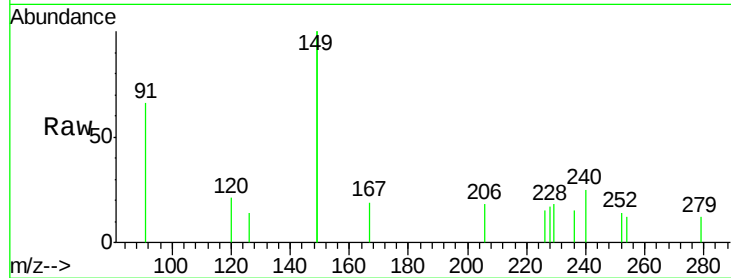
Tgt Ion: 228 Resp: 135

Ion Ratio Lower Upper

228 100

226 86.9 40.0 60.0#

229 103.4 40.0 60.0#



#32

Bis(2-ethylhexyl)phthalate

Concen: 0.024 ng

RT: 21.29 min Scan# 1644

Delta R.T. 0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

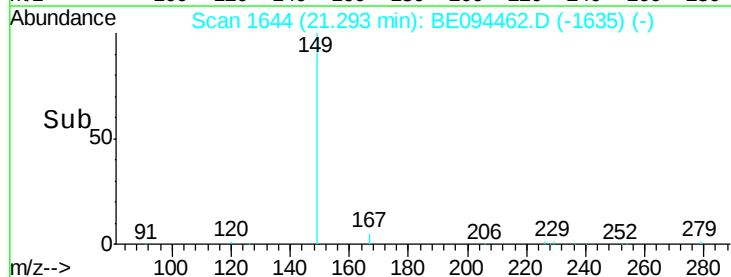
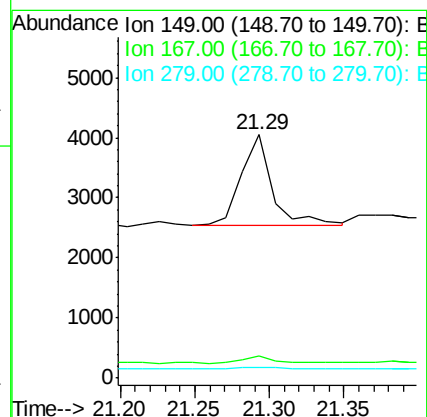
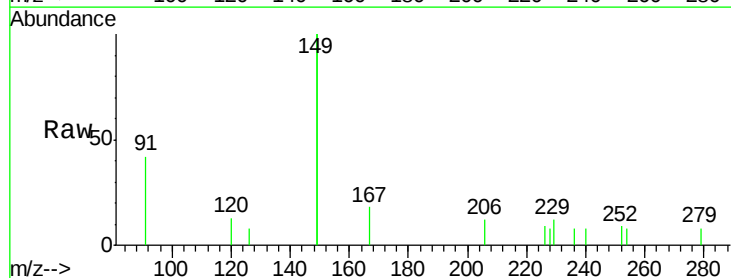
Tgt Ion: 149 Resp: 2222

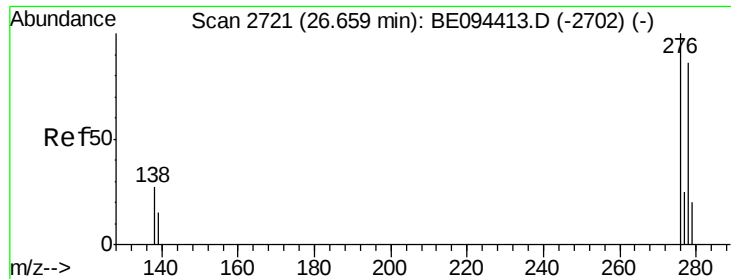
Ion Ratio Lower Upper

149 100

167 6.1 5.4 8.0

279 1.7 0.7 1.1#





#33

Indeno(1,2,3-cd)pyrene

Concen: 0.002 ng

RT: 26.63 min Scan# 2716

Delta R.T. -0.03 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

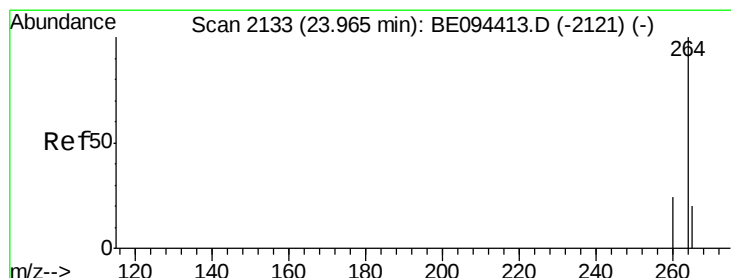
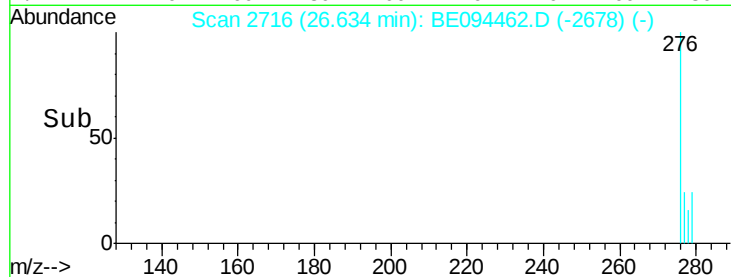
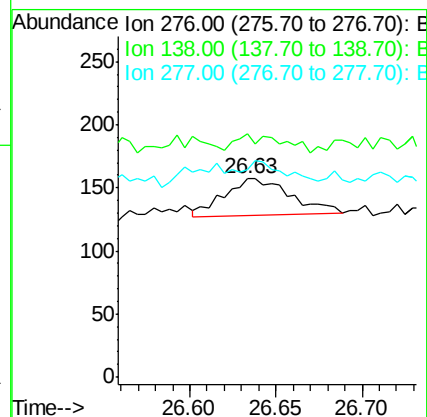
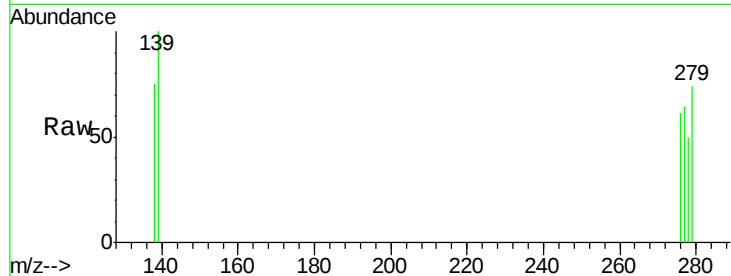
Tgt Ion: 276 Resp: 77

Ion Ratio Lower Upper

276 100

138 11.7 22.5 33.7#

277 27.3 19.9 29.9



#34

Perylene-d12

Concen: 0.400 ng

RT: 23.95 min Scan# 2130

Delta R.T. -0.02 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

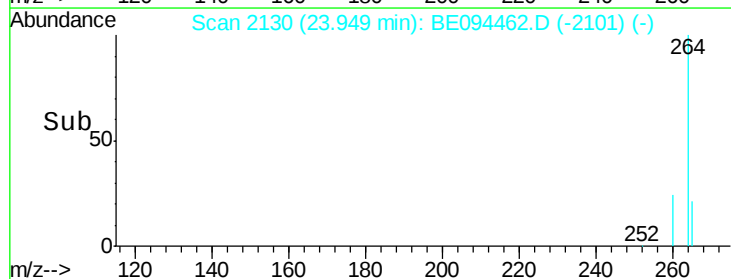
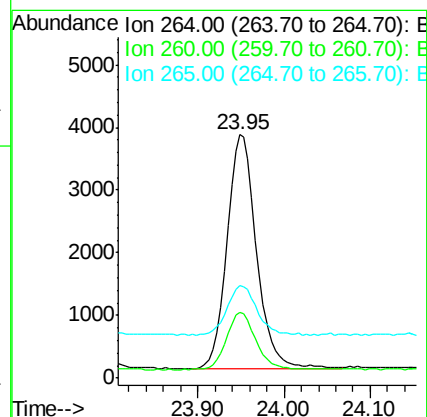
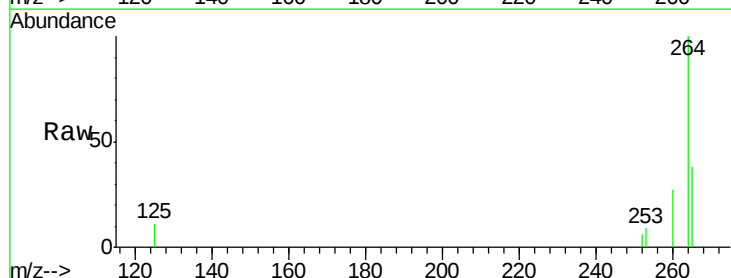
Tgt Ion: 264 Resp: 8965

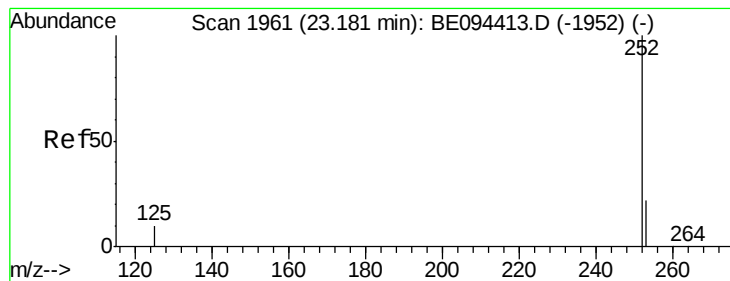
Ion Ratio Lower Upper

264 100

260 27.1 20.5 30.7

265 38.1 22.8 34.2#





#35

Benzo(b)fluoranthene

Concen: 0.006 ng

RT: 23.17 min Scan# 1960

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

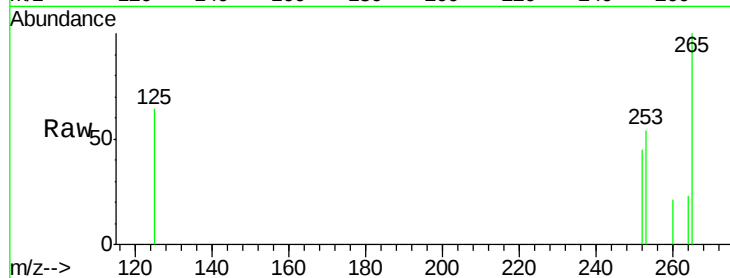
Tgt Ion:252 Resp: 193

Ion Ratio Lower Upper

252 100

253 118.0 48.0 72.0#

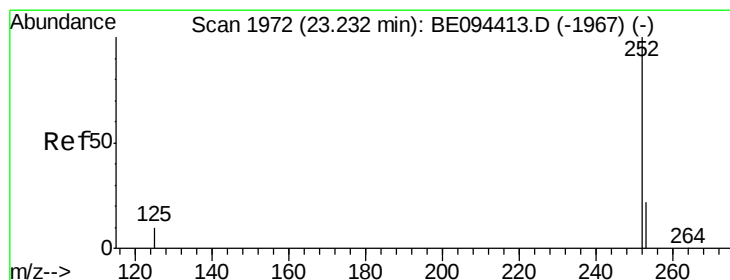
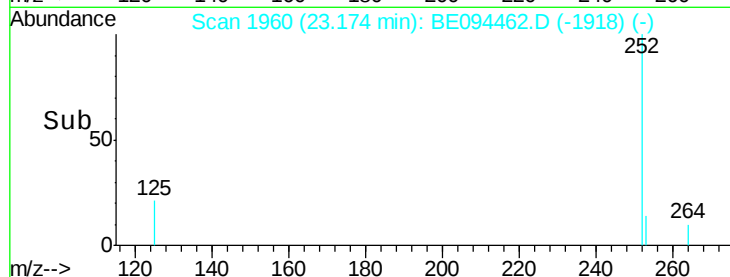
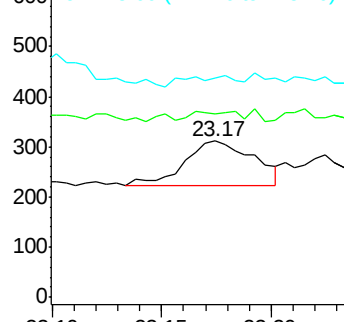
125 140.5 56.0 84.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#36

Benzo(k)fluoranthene

Concen: 0.002 ng

RT: 23.22 min Scan# 1971

Delta R.T. -0.01 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

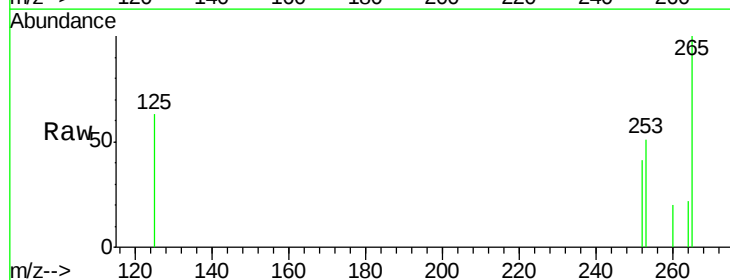
Tgt Ion:252 Resp: 57

Ion Ratio Lower Upper

252 100

253 125.3 48.0 72.0#

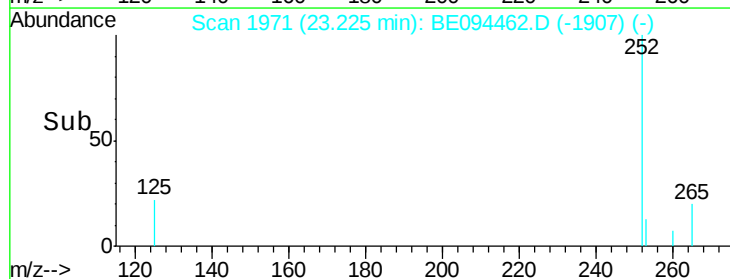
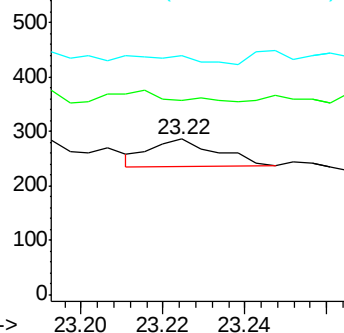
125 154.0 56.0 84.0#

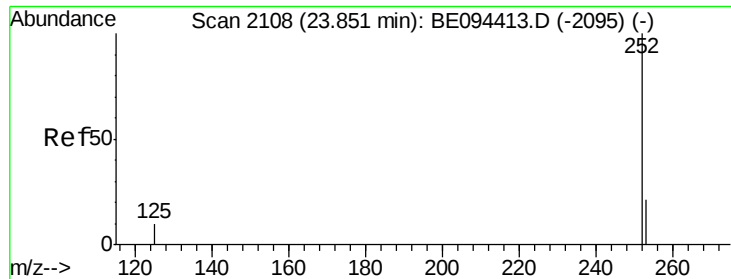


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#37

Benzo(a)pyrene

Concen: 0.001 ng

RT: 23.83 min Scan# 2103

Delta R.T. -0.03 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB

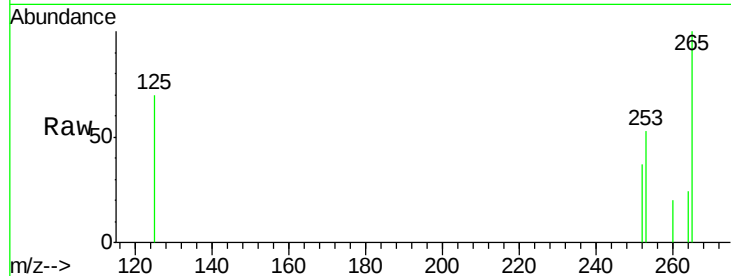
Tgt Ion: 252 Resp: 23

Ion Ratio Lower Upper

252 100

253 143.7 52.0 78.0#

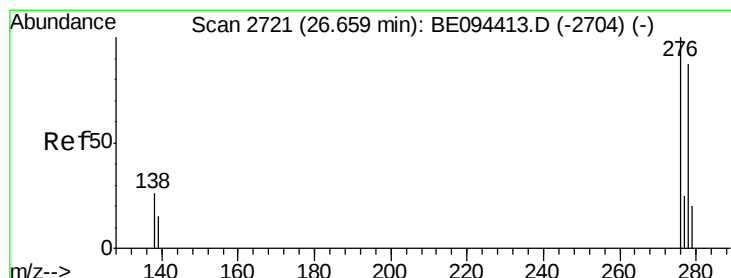
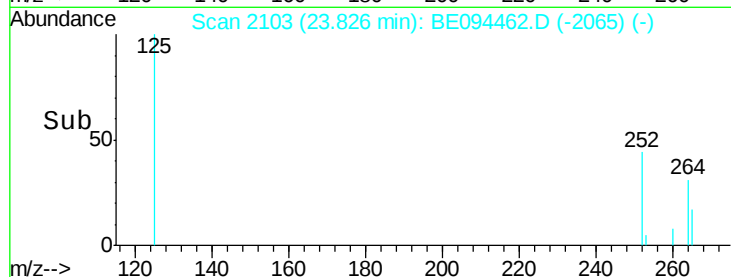
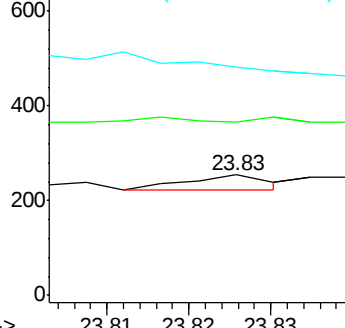
125 190.2 68.0 102.0#



Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#38

Dibenzo(a,h)anthracene

Concen: 0.001 ng

RT: 26.66 min Scan# 2721

Delta R.T. -0.00 min

Lab File: BE094462.D

Acq: 20 Oct 2017 1:11

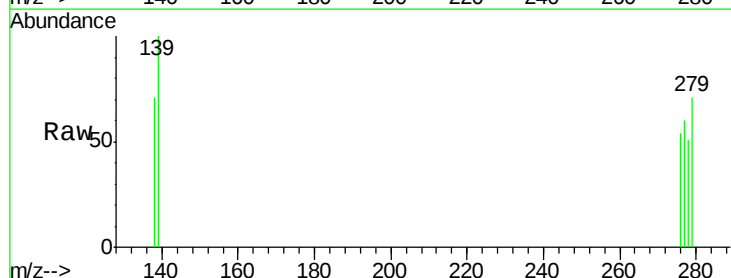
Tgt Ion: 278 Resp: 27

Ion Ratio Lower Upper

278 100

139 194.8 56.0 84.0#

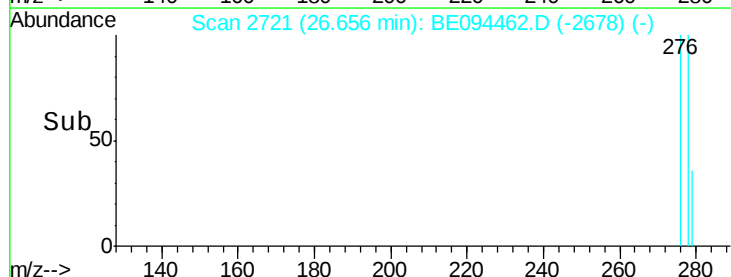
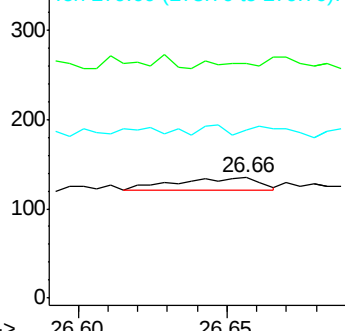
279 139.3 52.0 78.0#

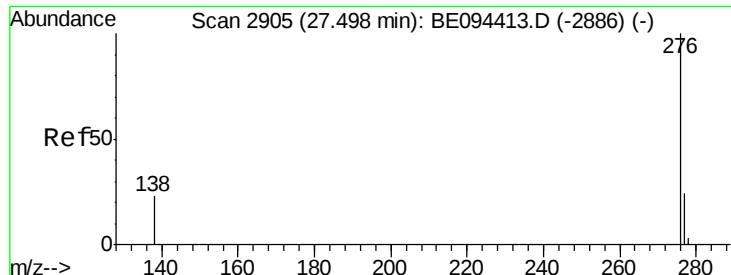


Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E





#39

Benzo(g,h,i)perylene

Concen: 0.002 ng

RT: 27.48 min Scan# 2902

Delta R.T. -0.02 min

Lab File: BE094462.D

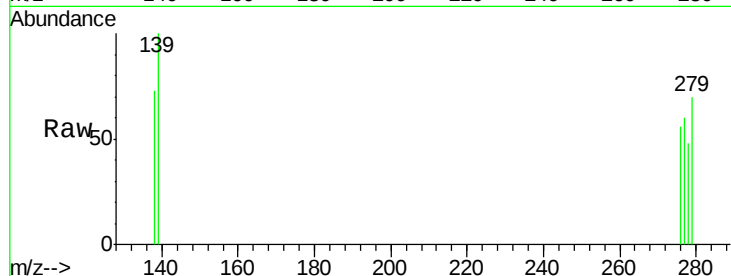
Acq: 20 Oct 2017 1:11

Instrument :

BNA\_E

ClientSampleId :

3919-FB



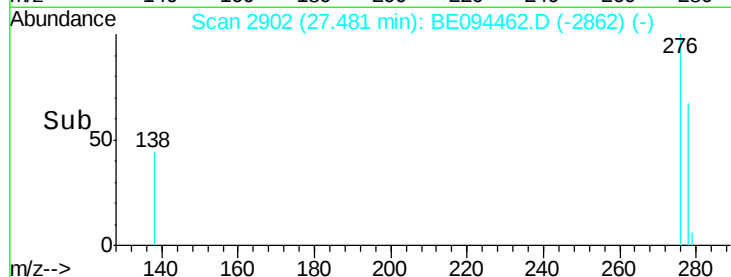
Tgt Ion: 276 Resp: 61

Ion Ratio Lower Upper

276 100

277 106.1 52.0 78.0#

138 128.4 44.0 66.0#



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

27.48

Time-->